

FIG.1

1/46

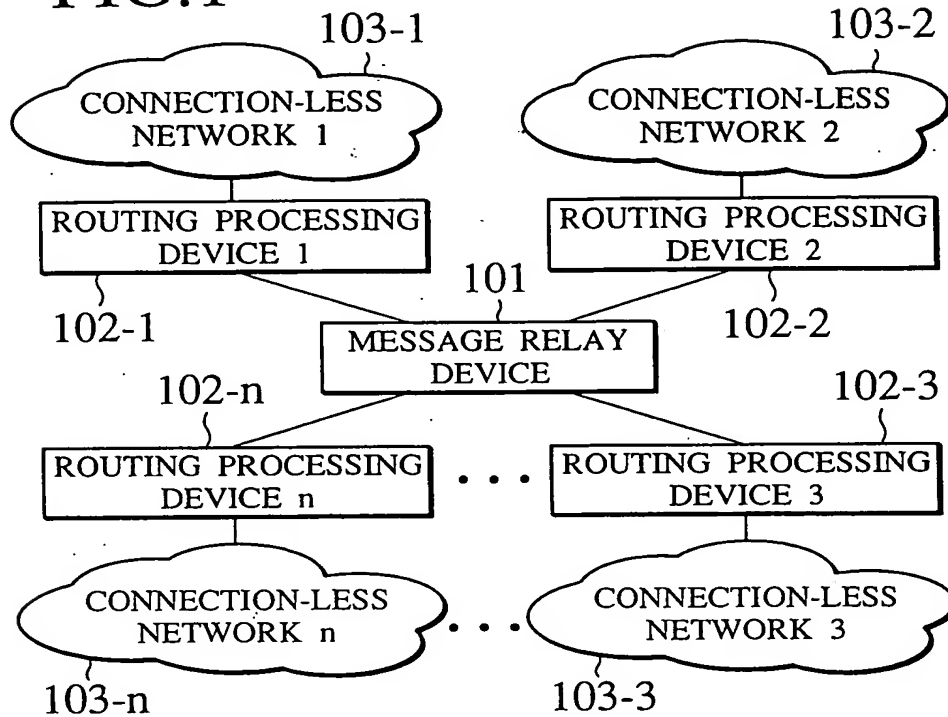
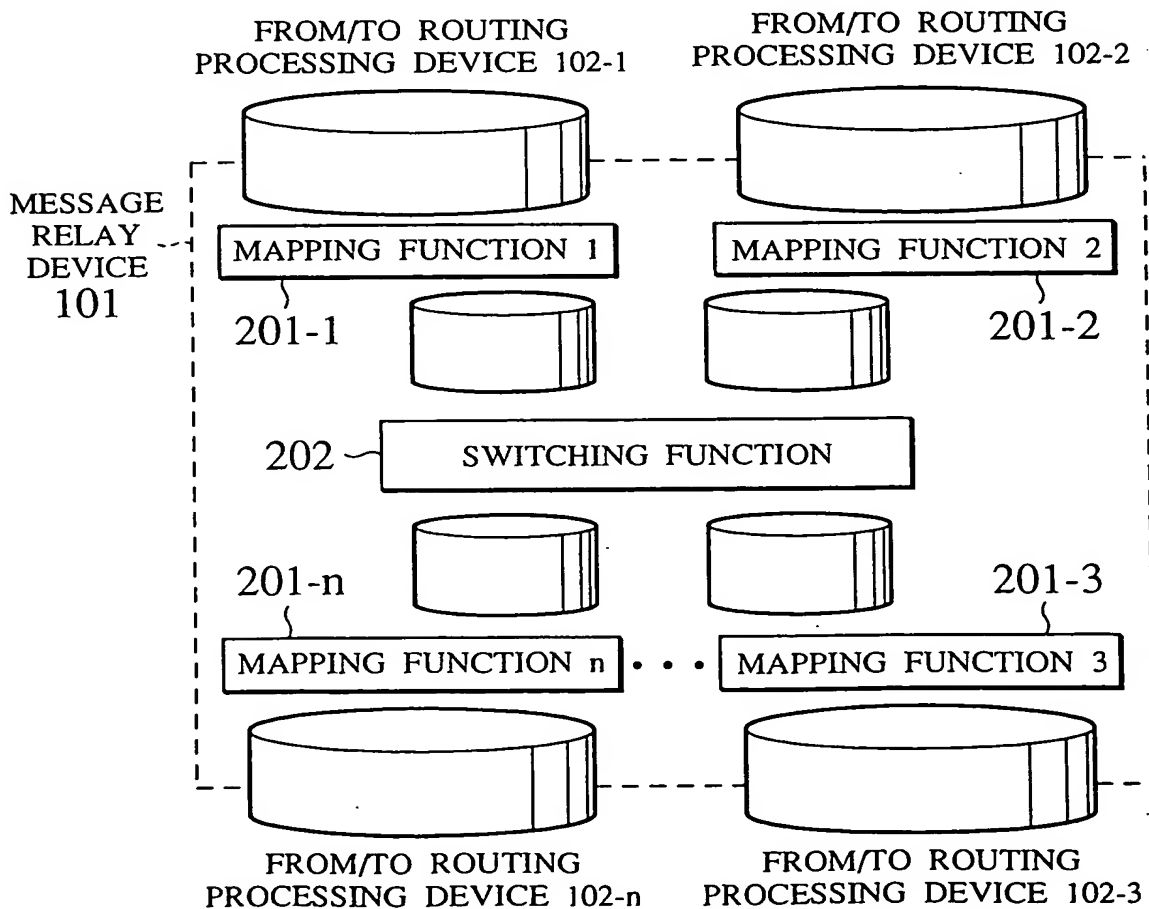
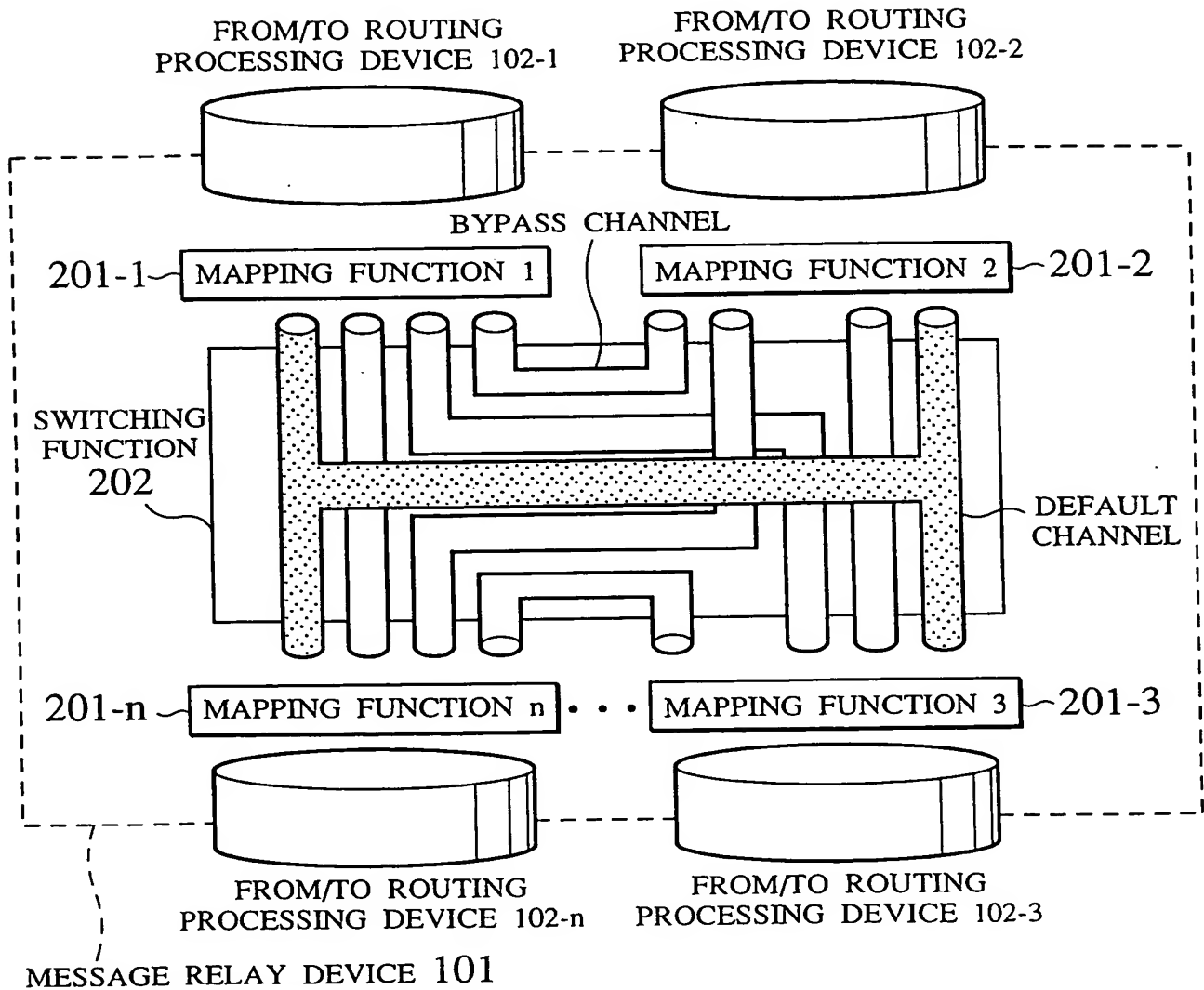


FIG.2



2/46

FIG.3



3/46

FIG. 4

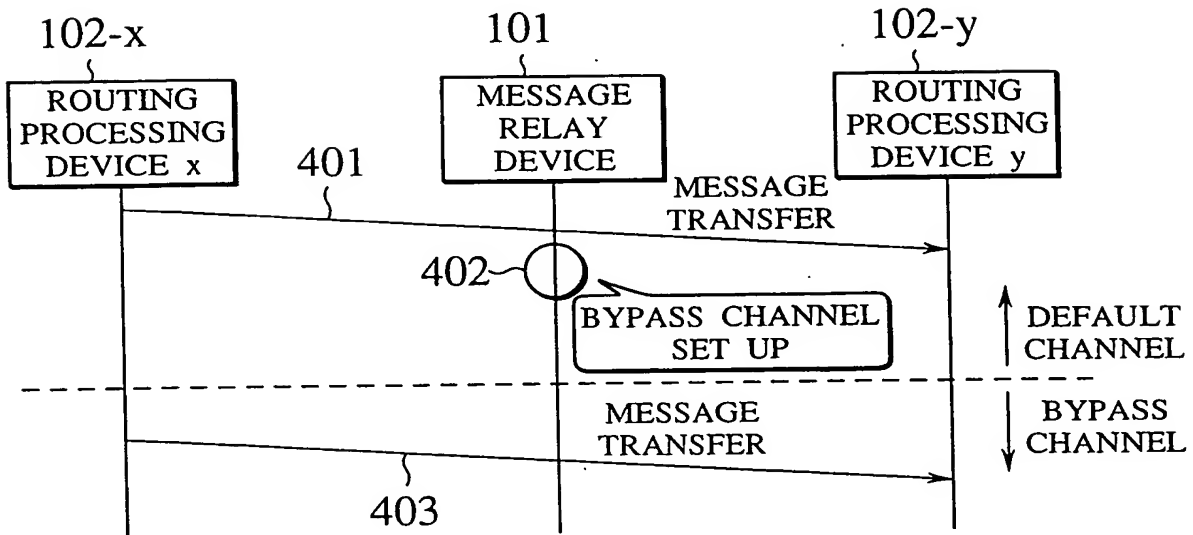
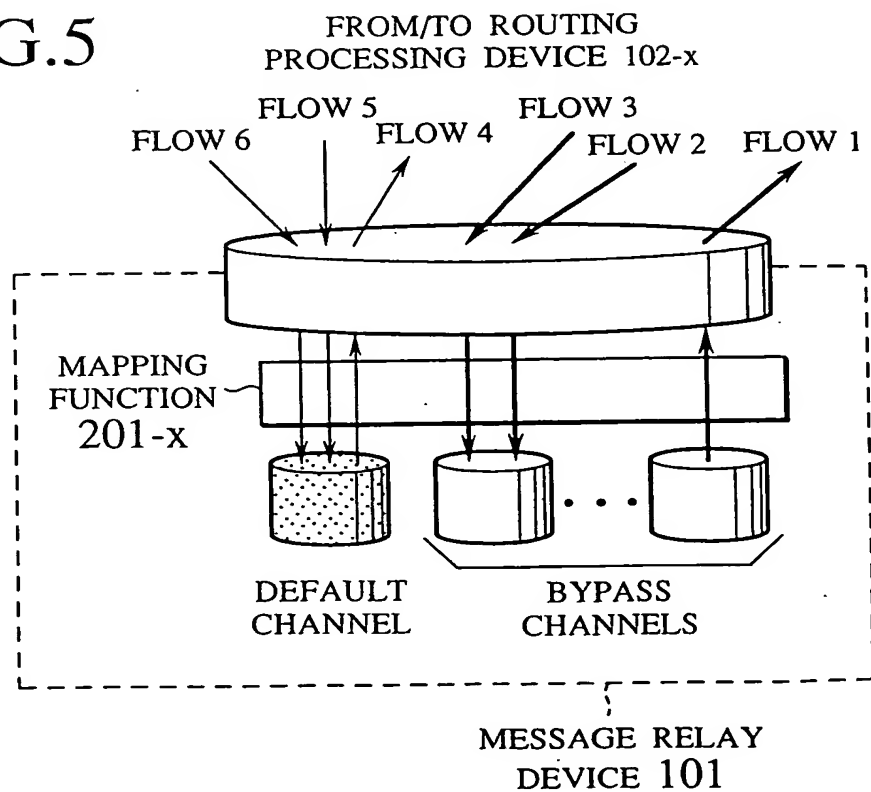
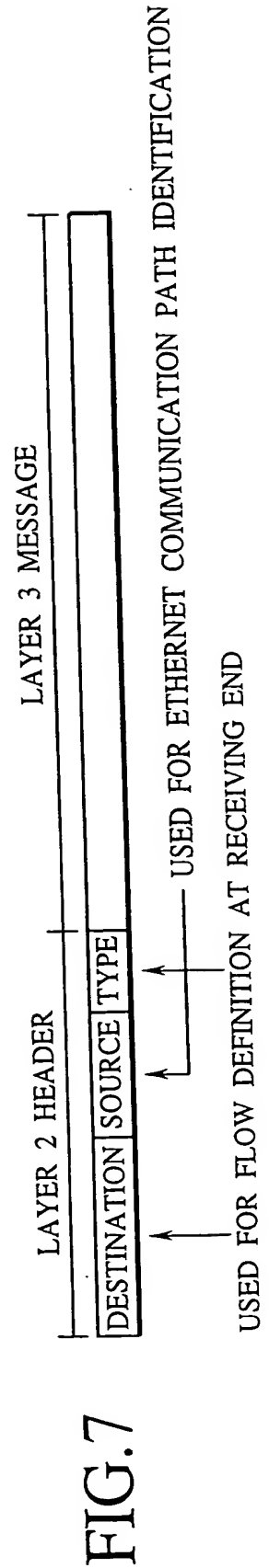
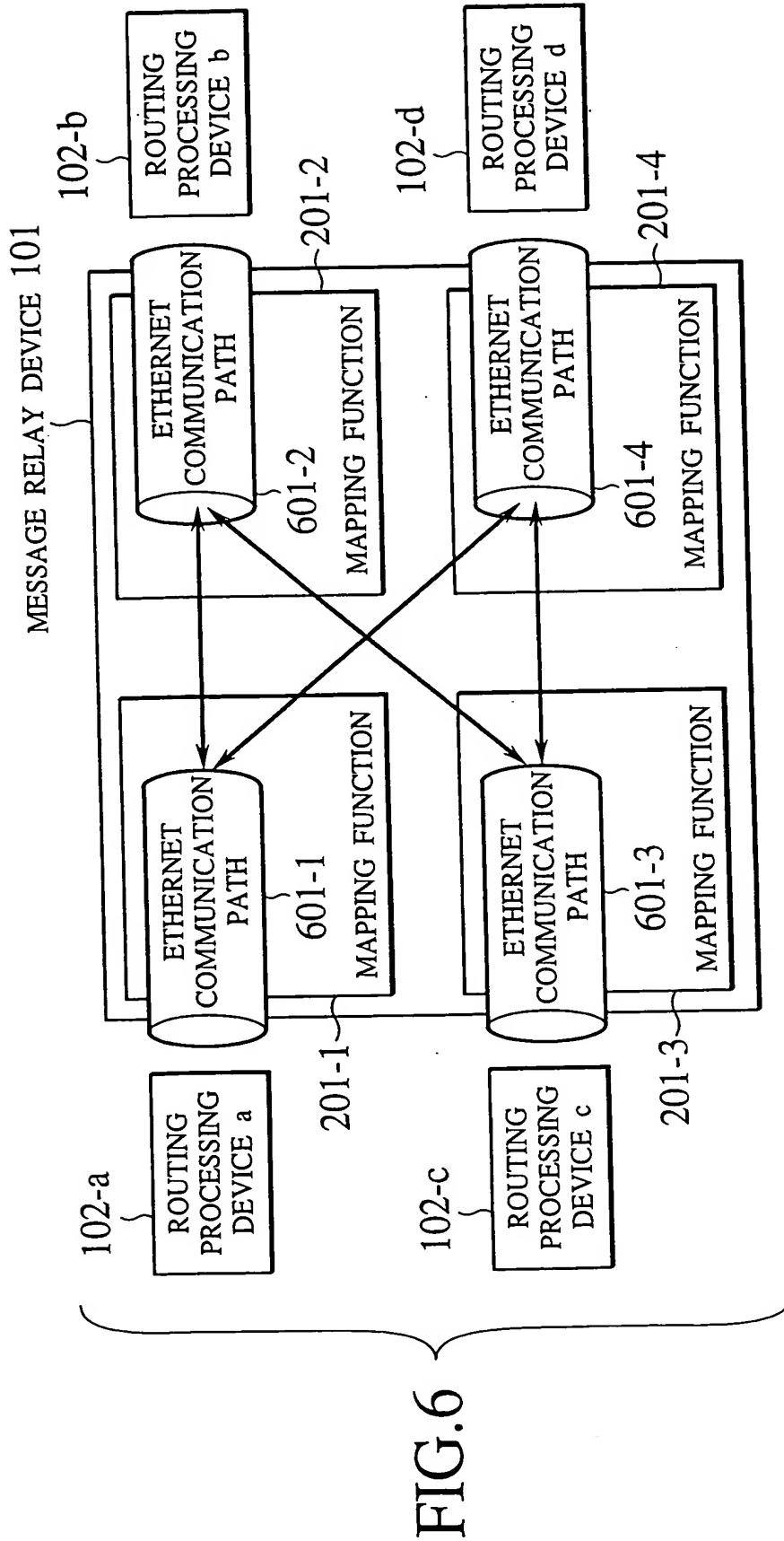


FIG. 5

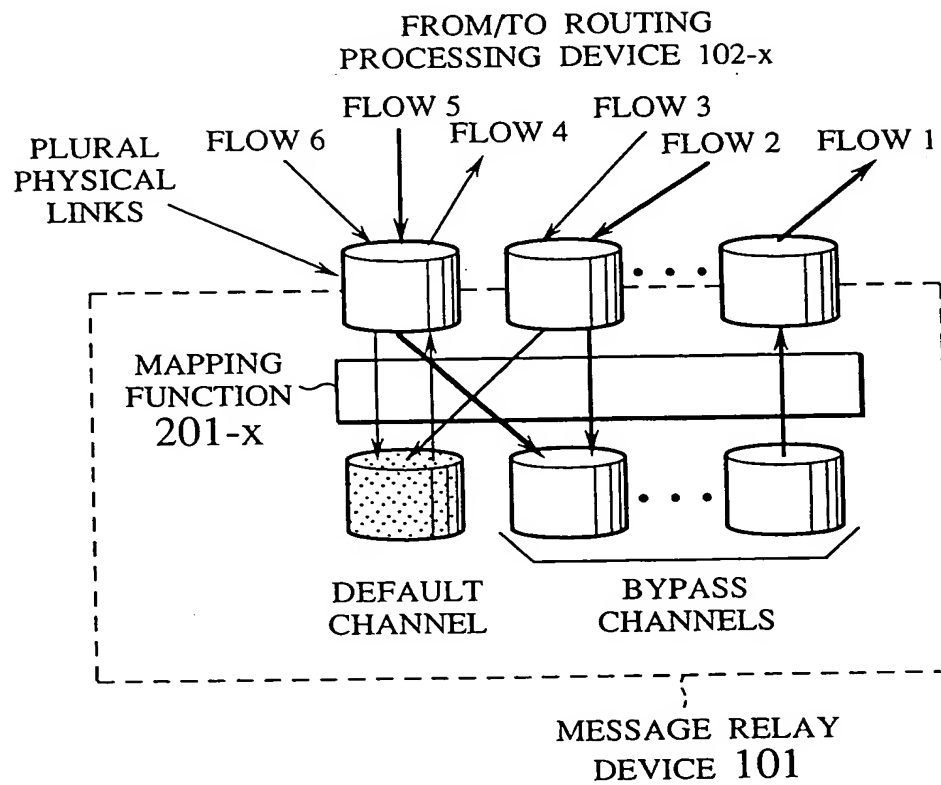


4/46



5/46

FIG.8



6/46

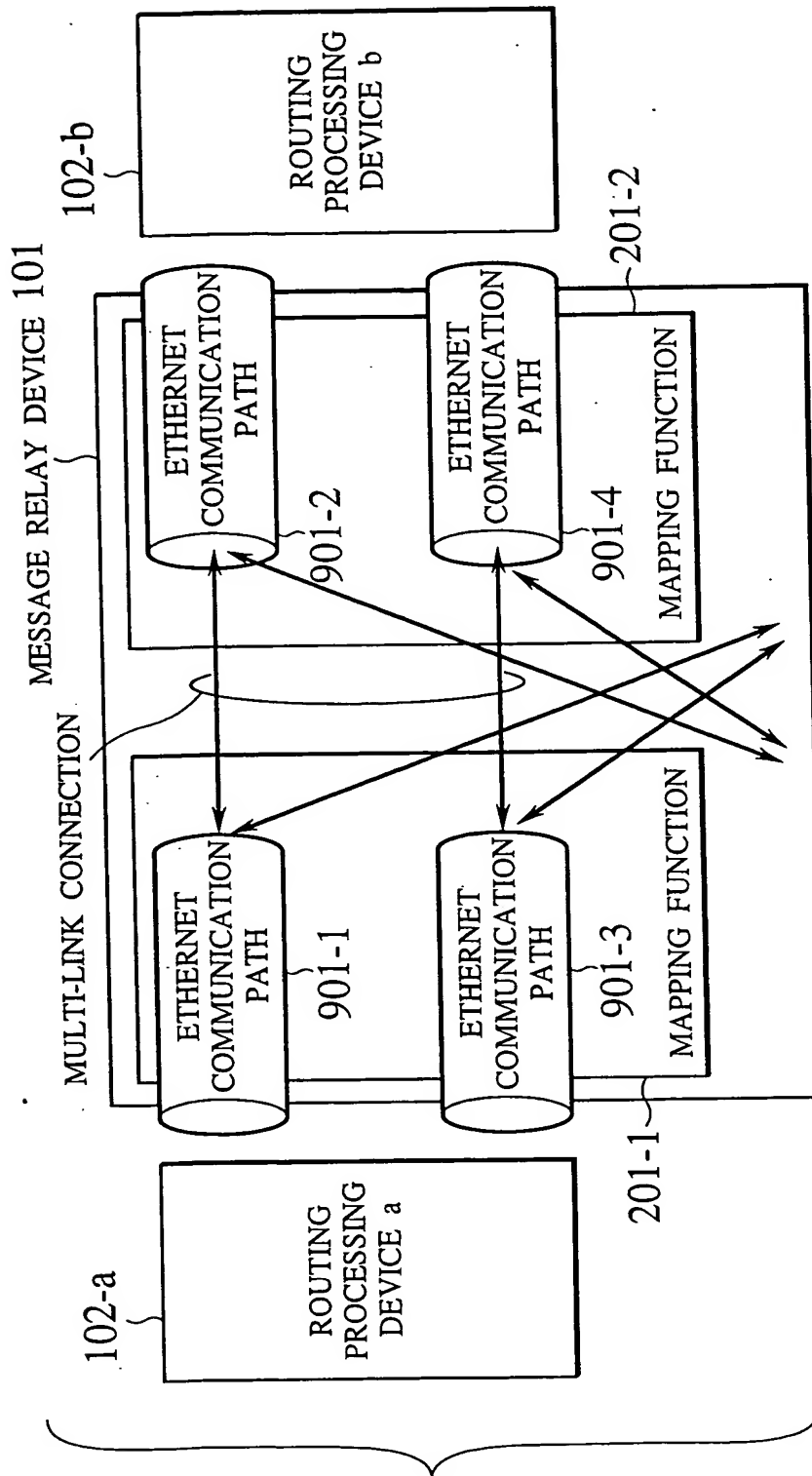


FIG. 9

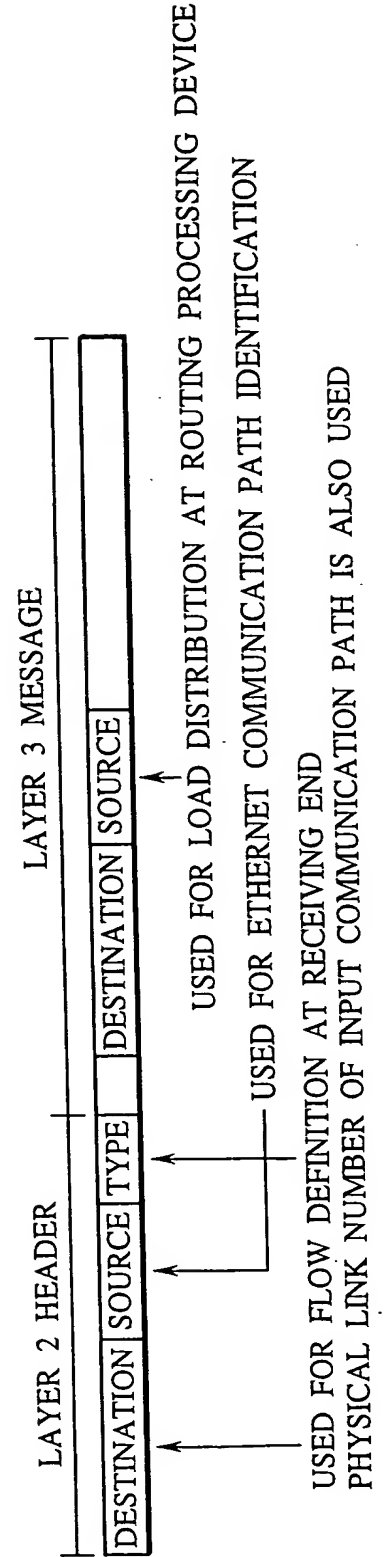
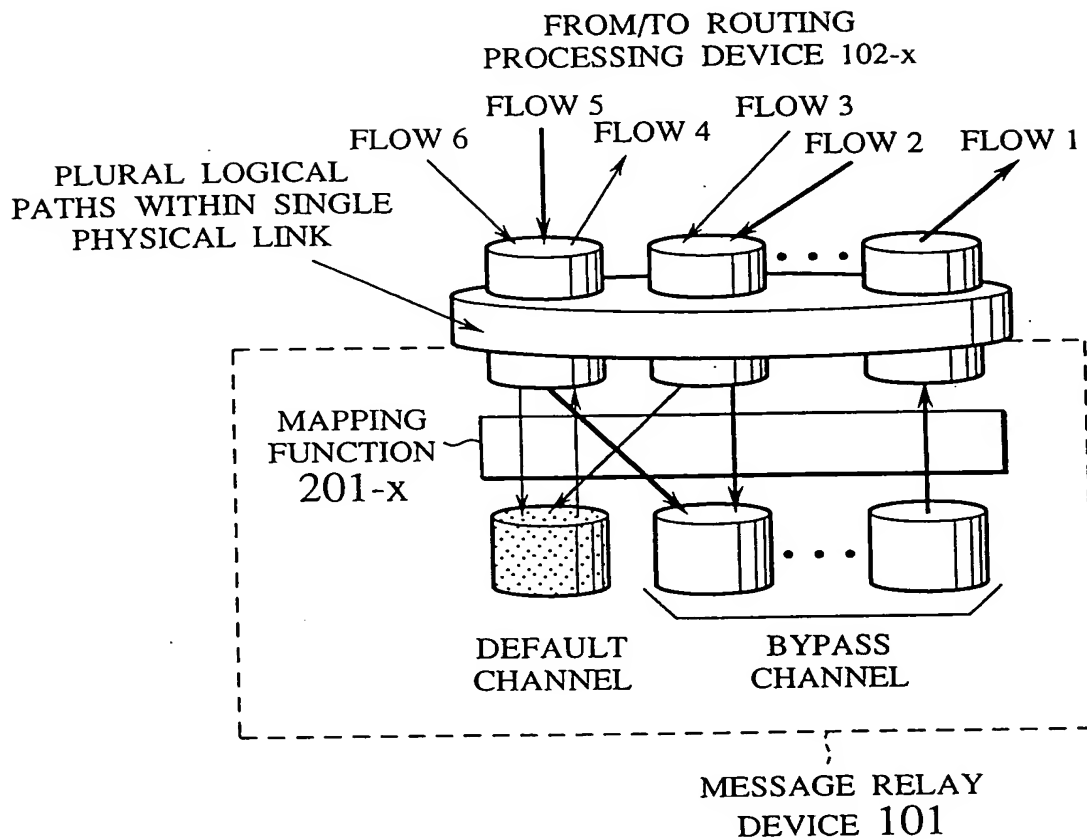


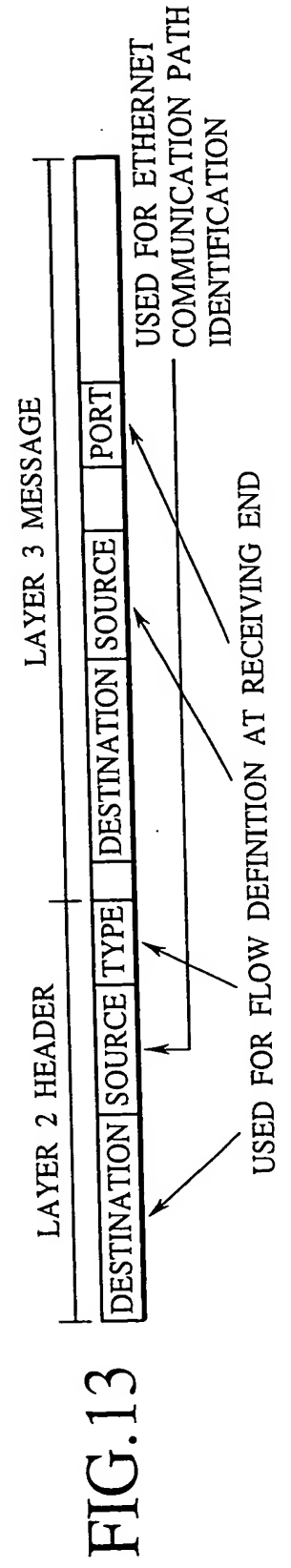
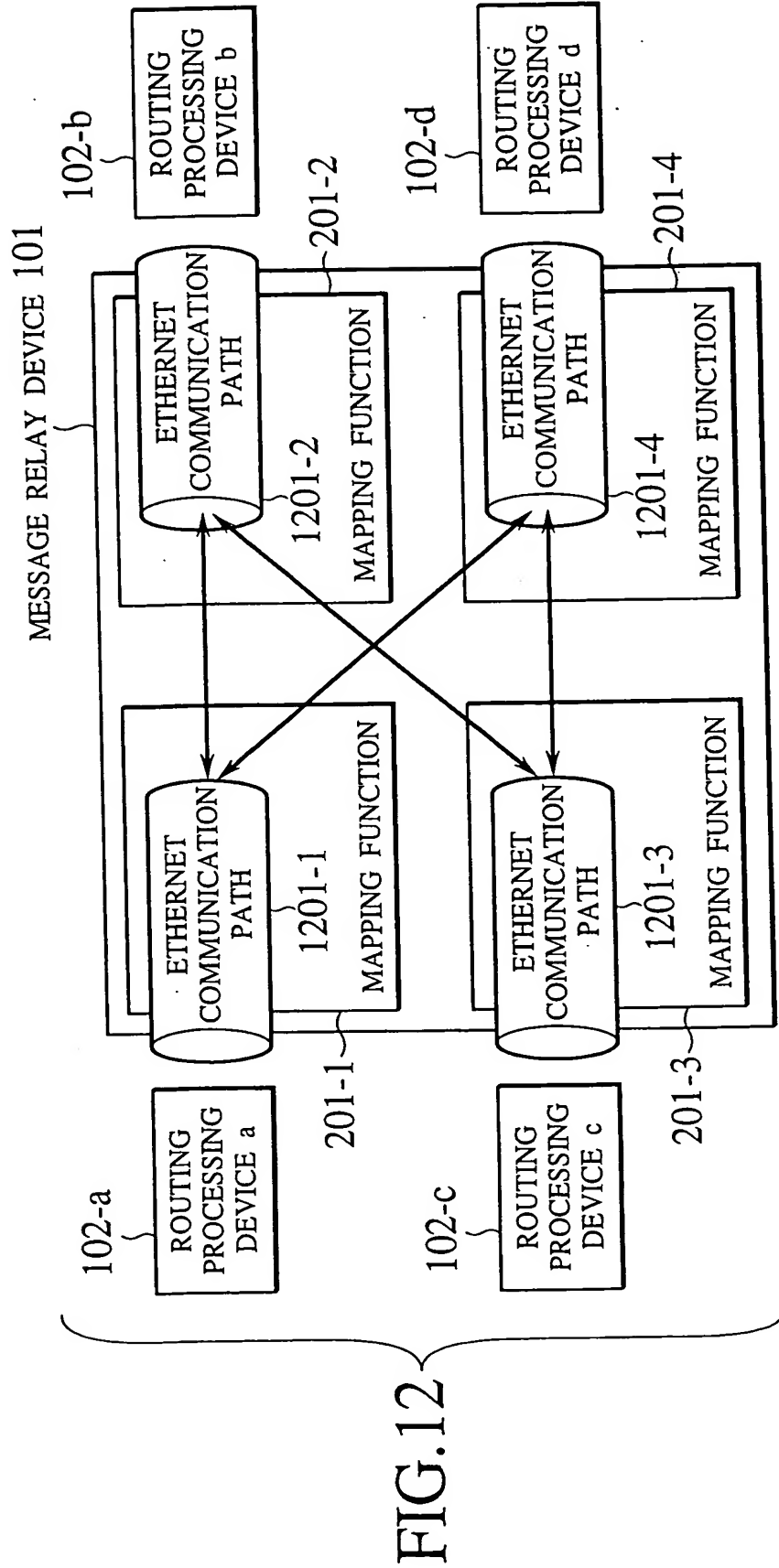
FIG. 10

7/46

FIG.11



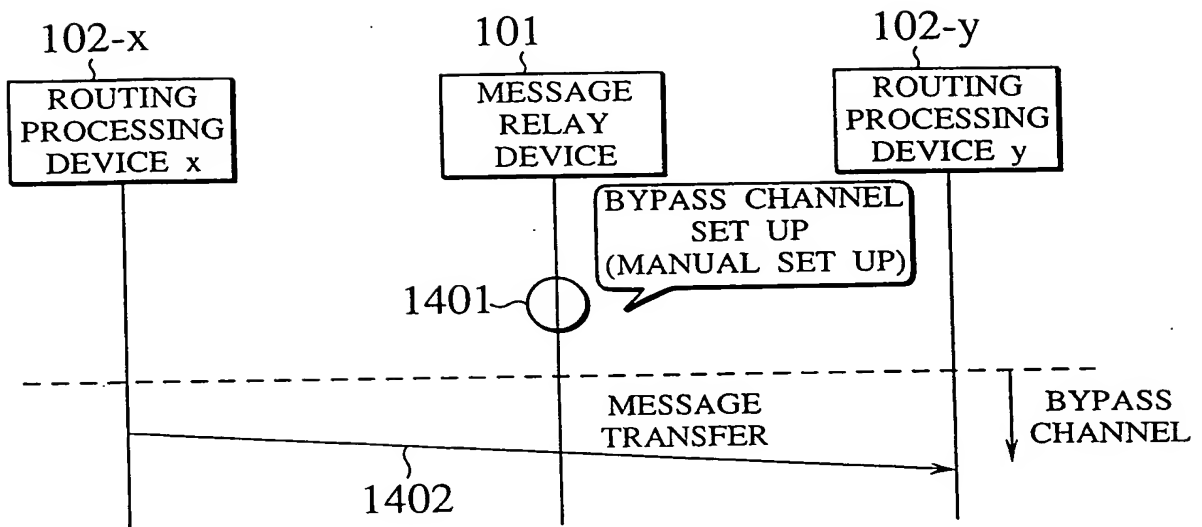
8/46

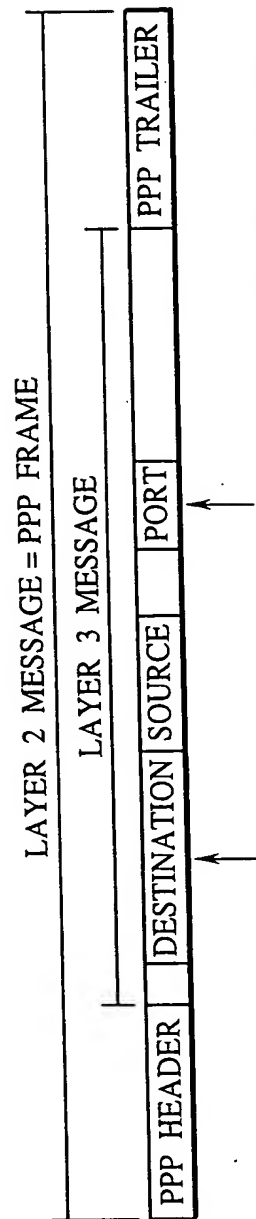
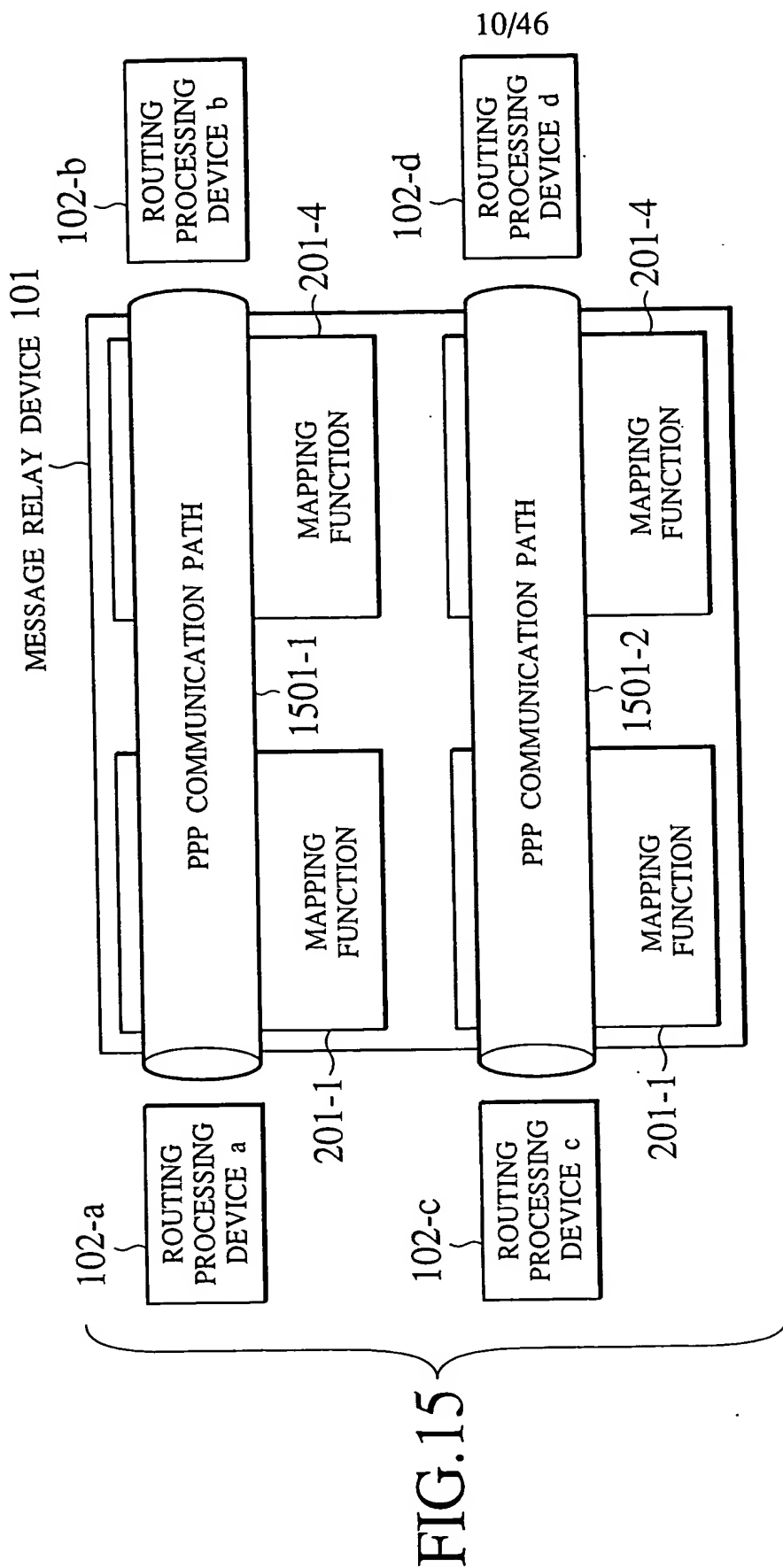


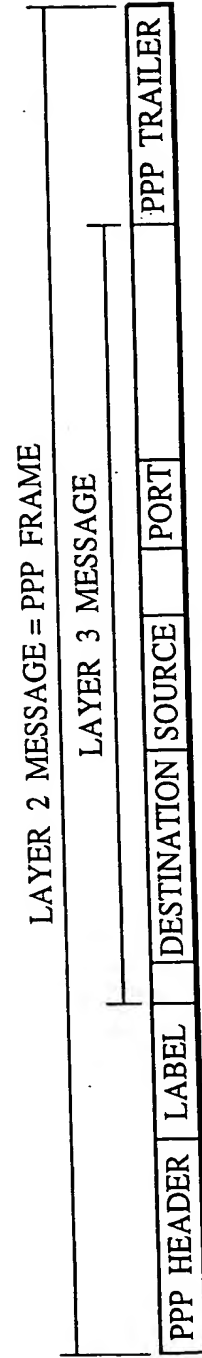
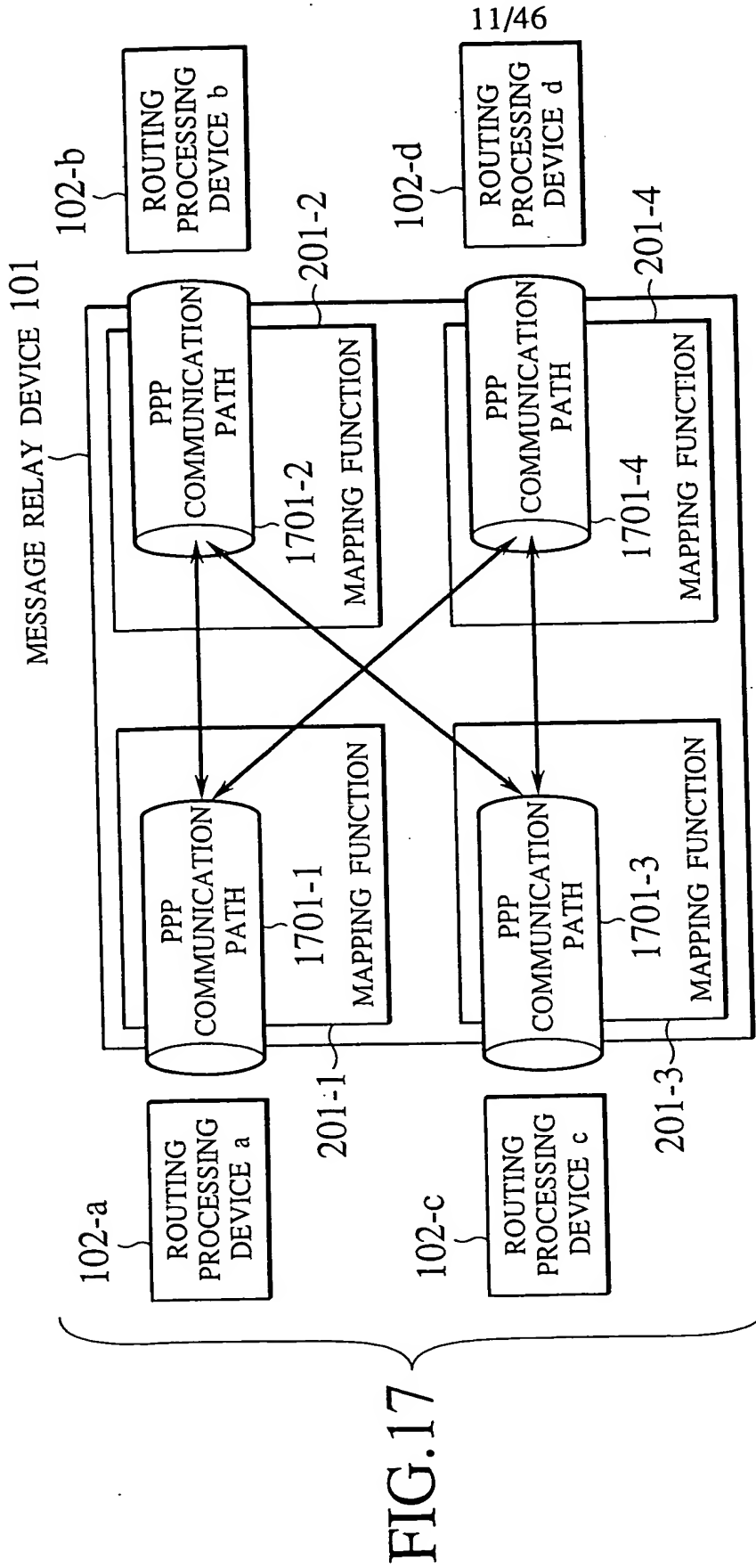


9/46

FIG.14







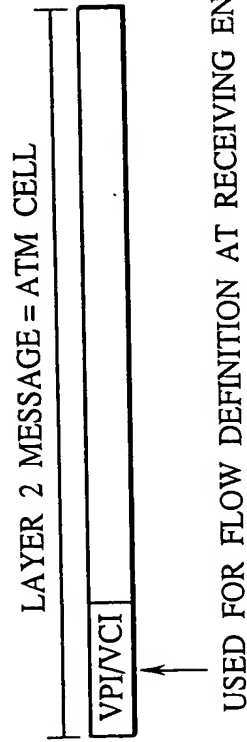


FIG.19

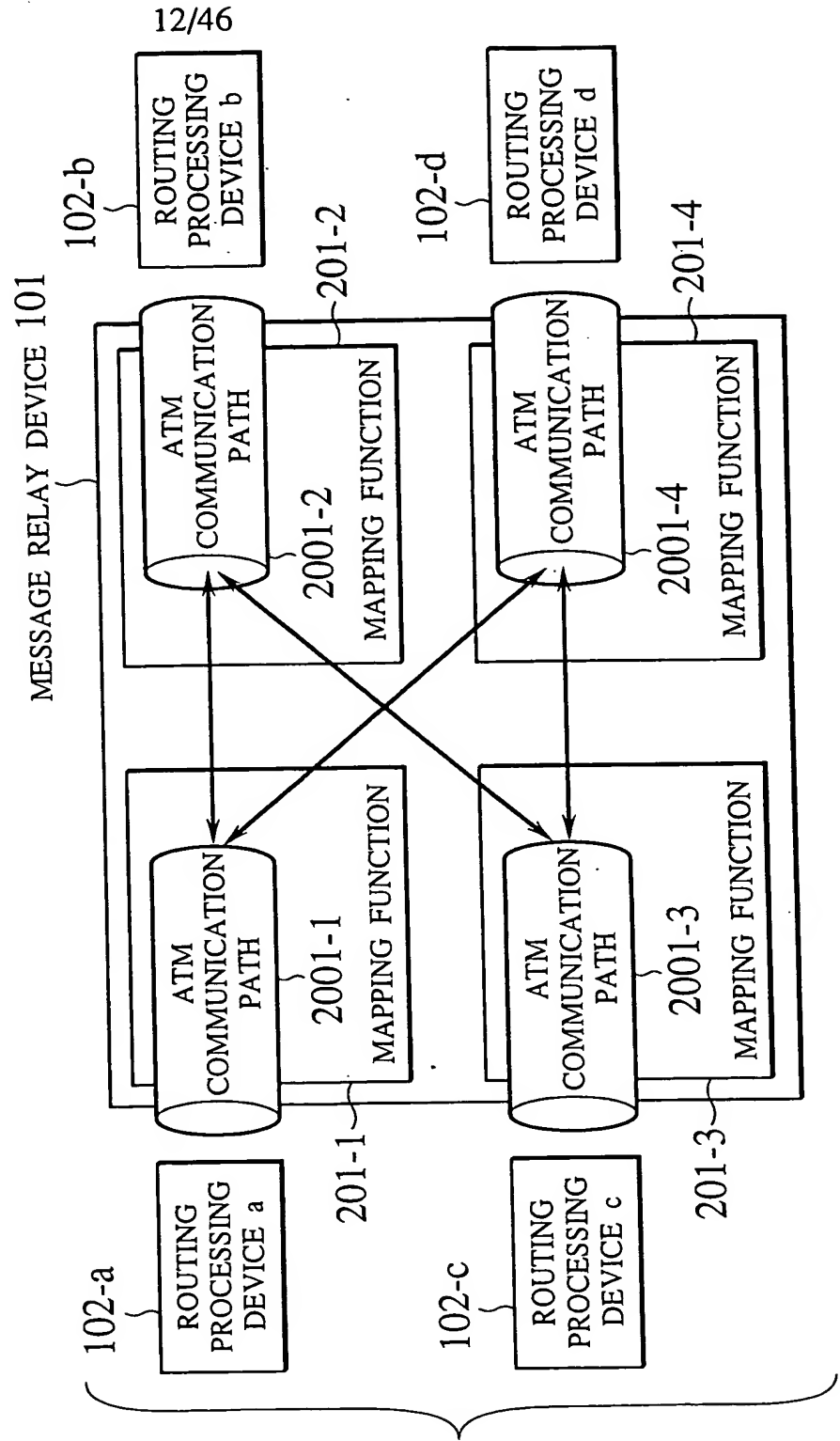
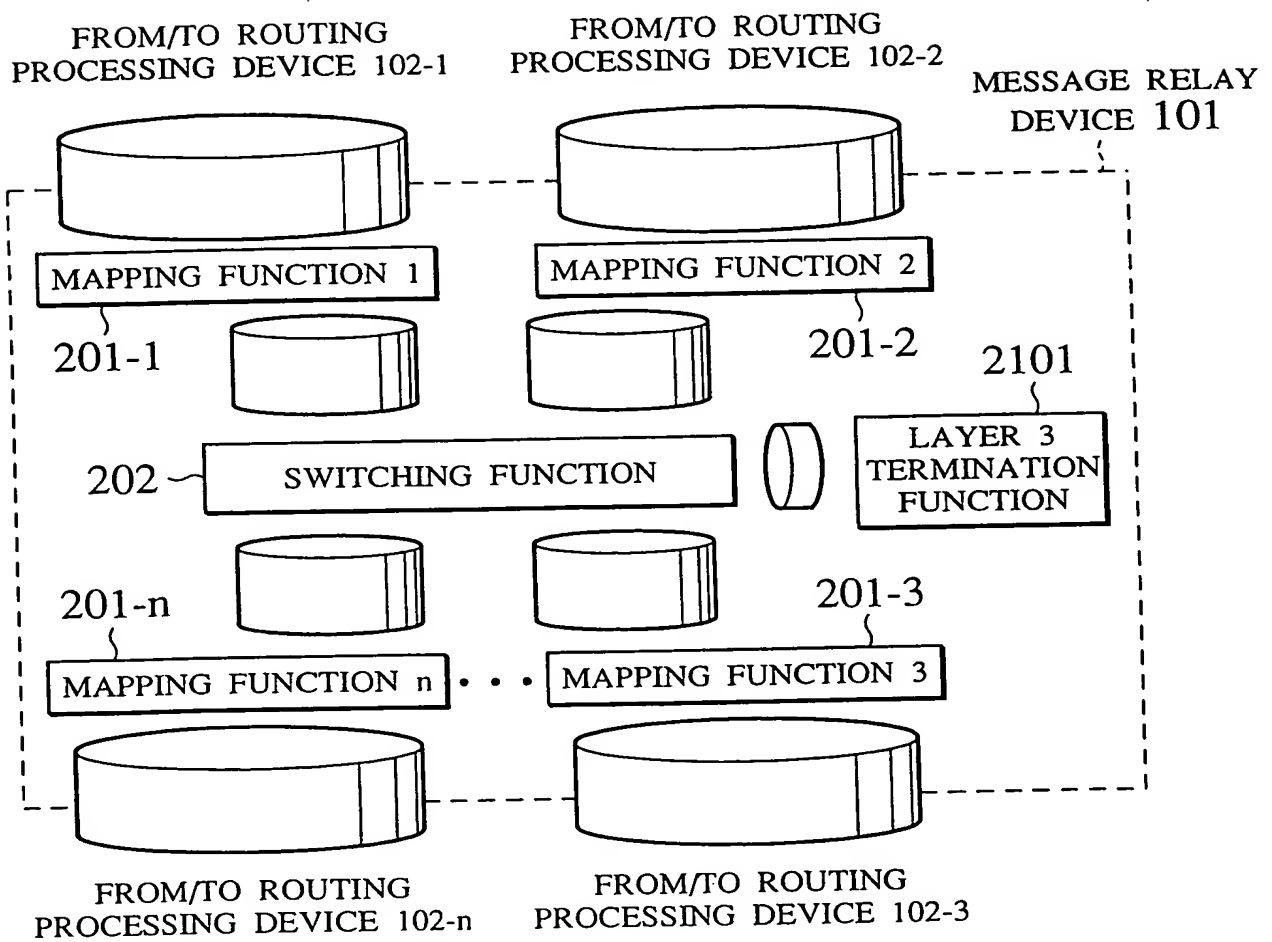


FIG.20

12/46

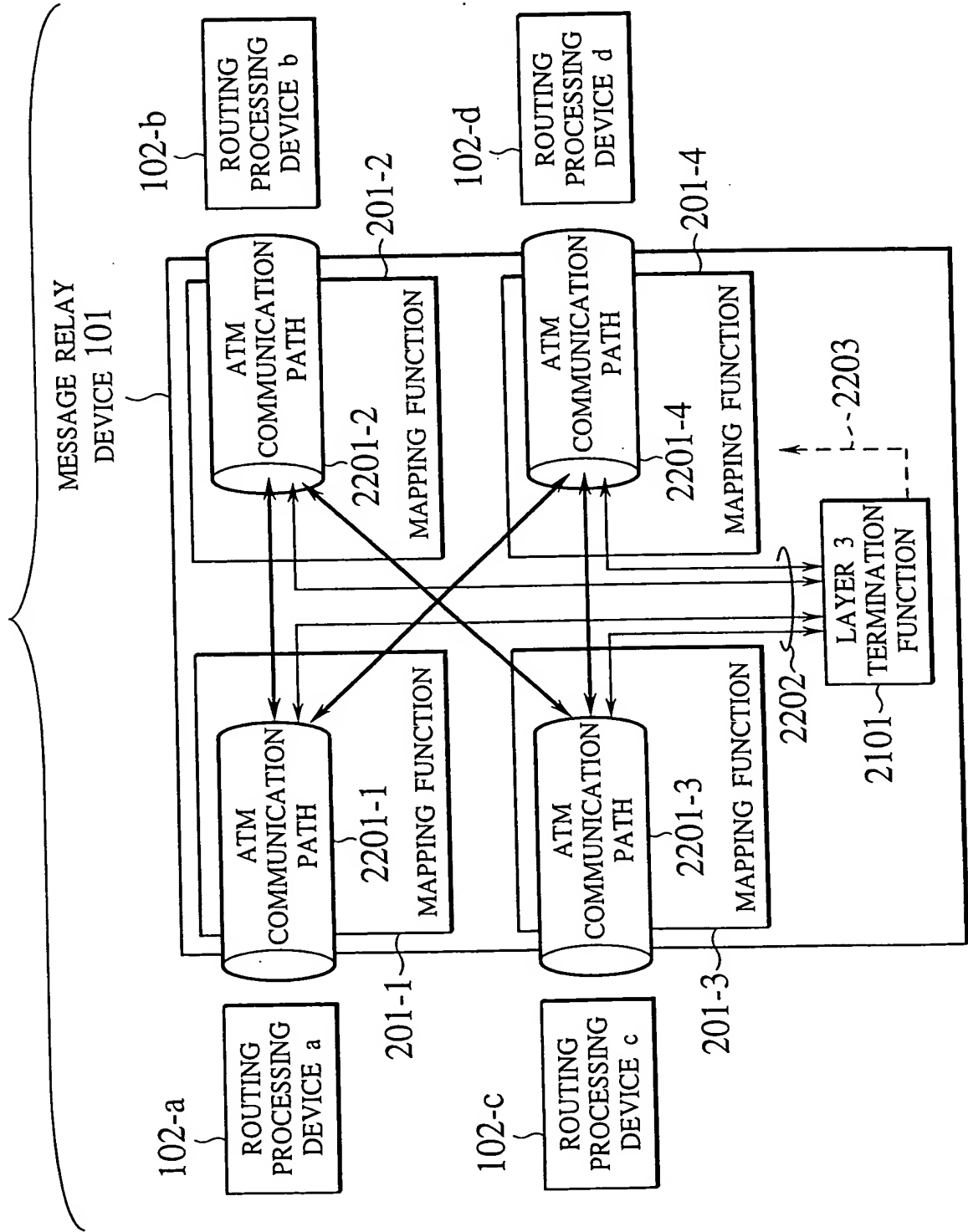
13/46

FIG.21



14/46

FIG.22



15/46

FIG. 23

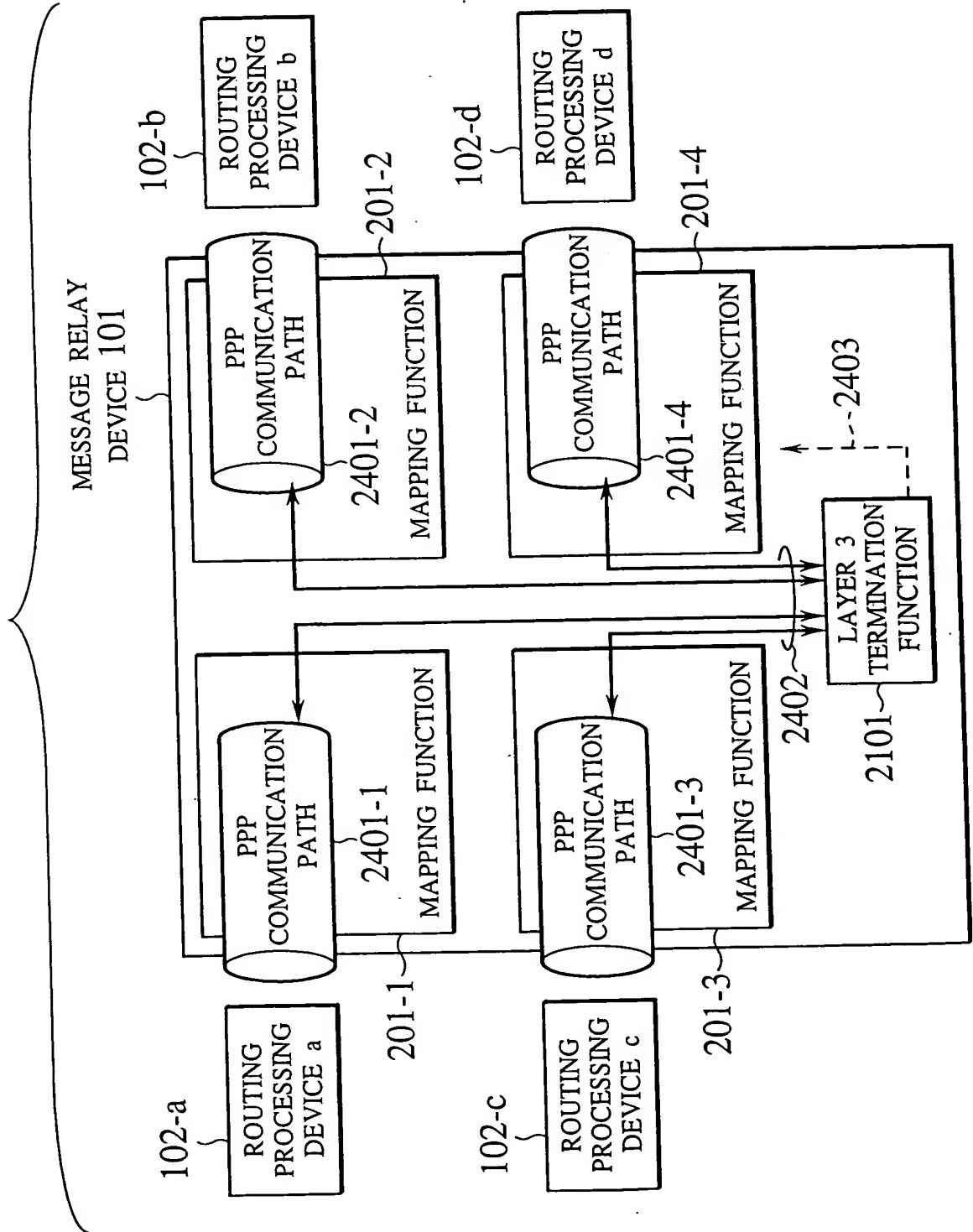
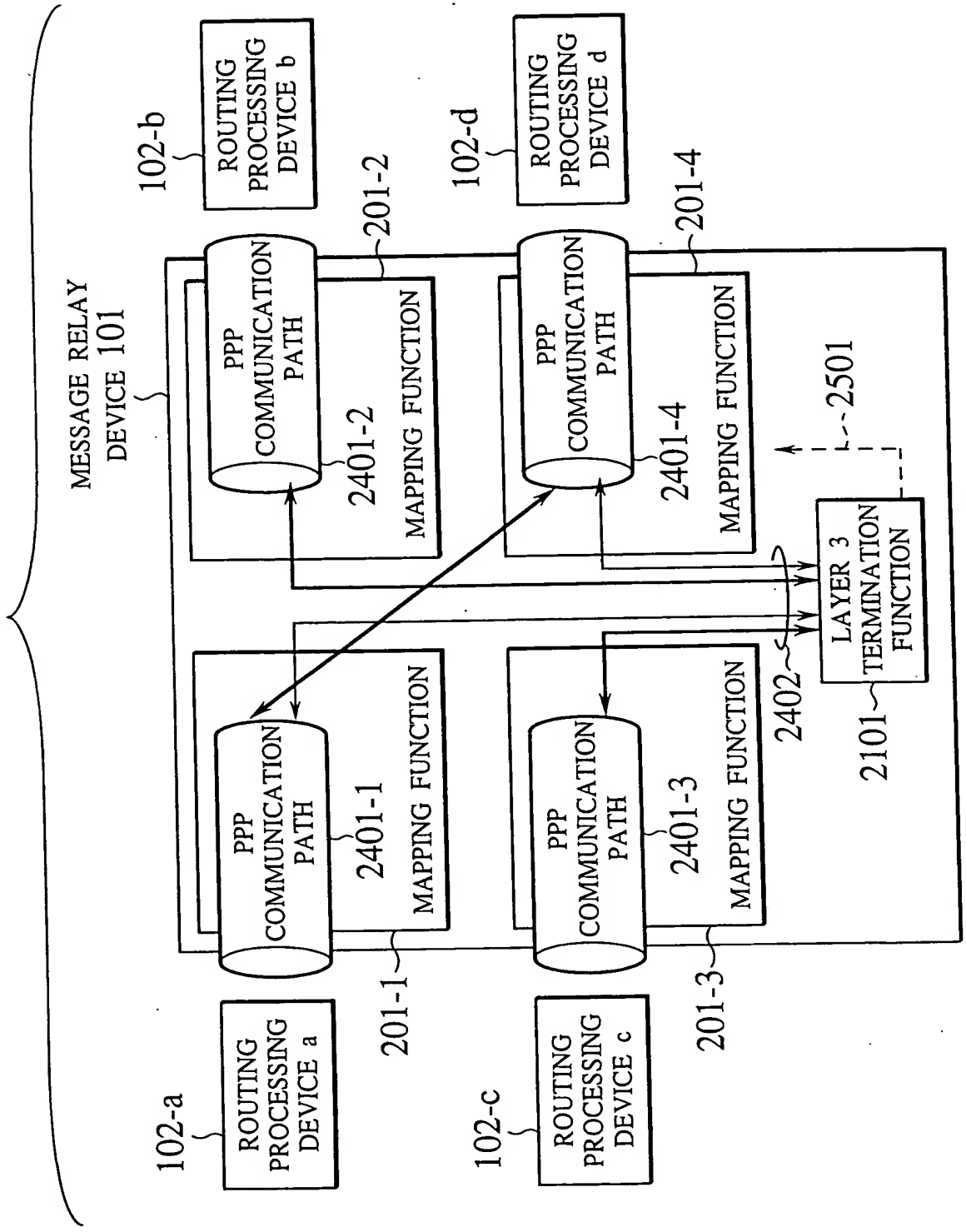


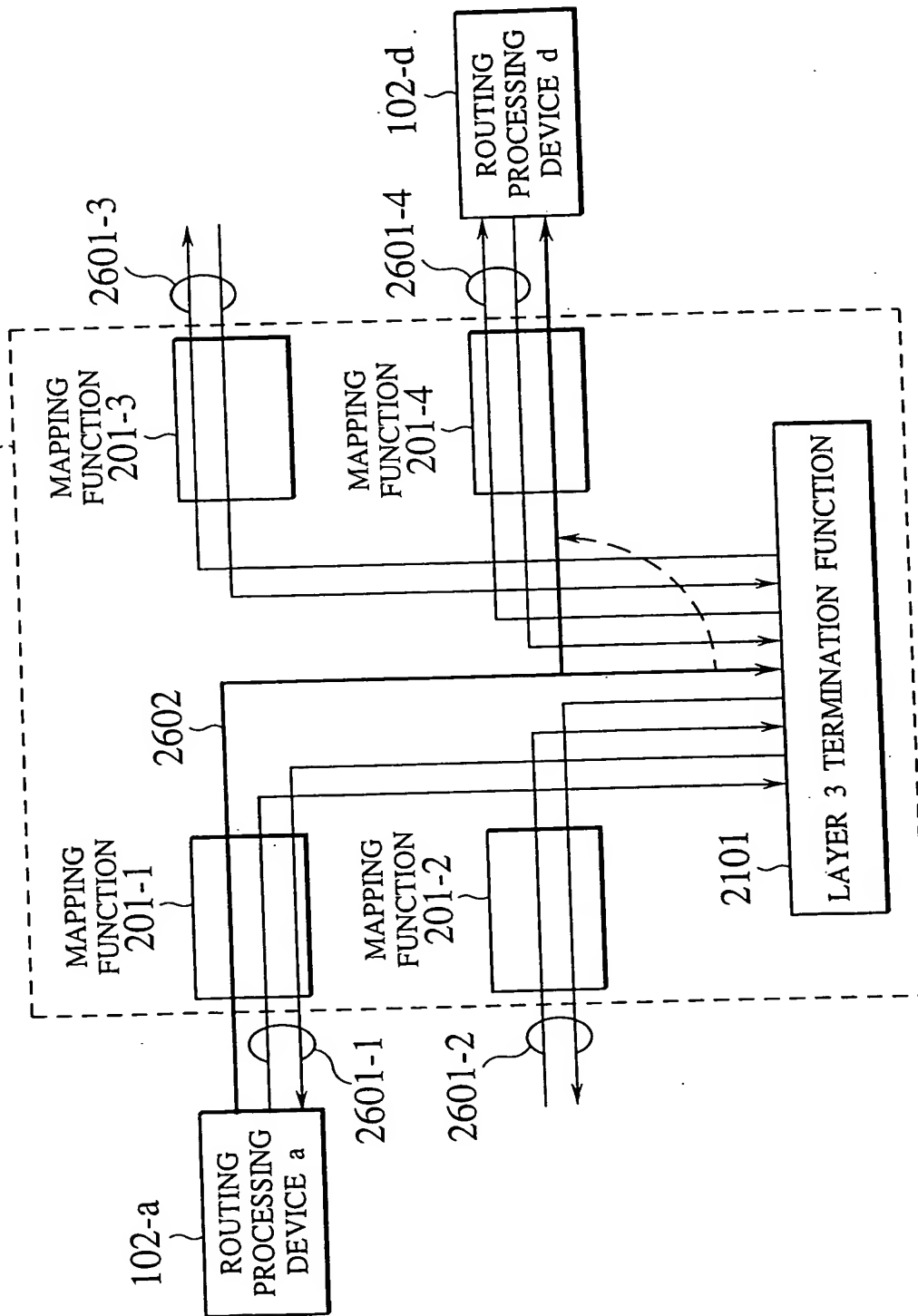
FIG.24





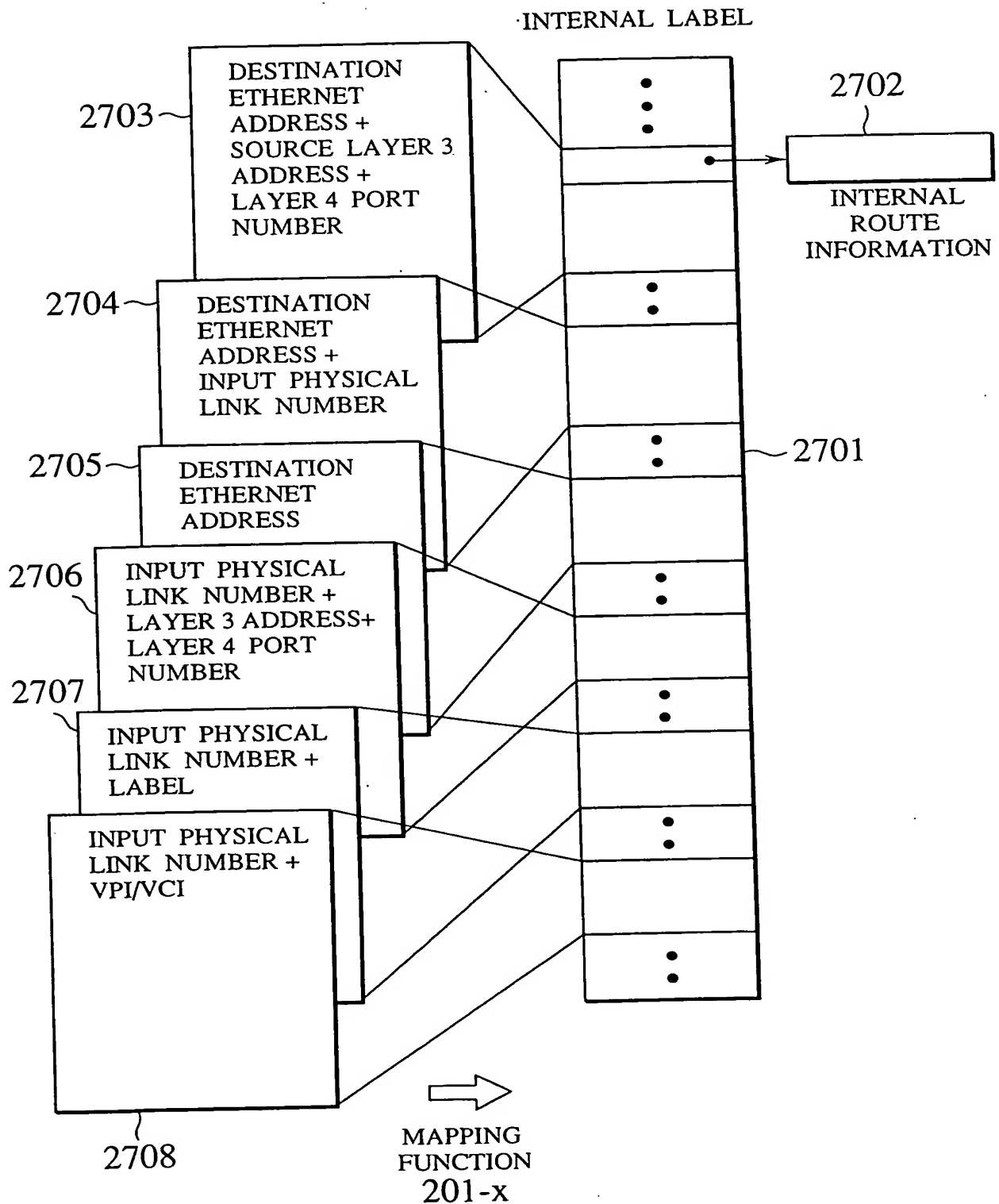
17/46

FIG.25  
 MESSAGE RELAY DEVICE 101



18/46

FIG.26



19/46

FIG.27

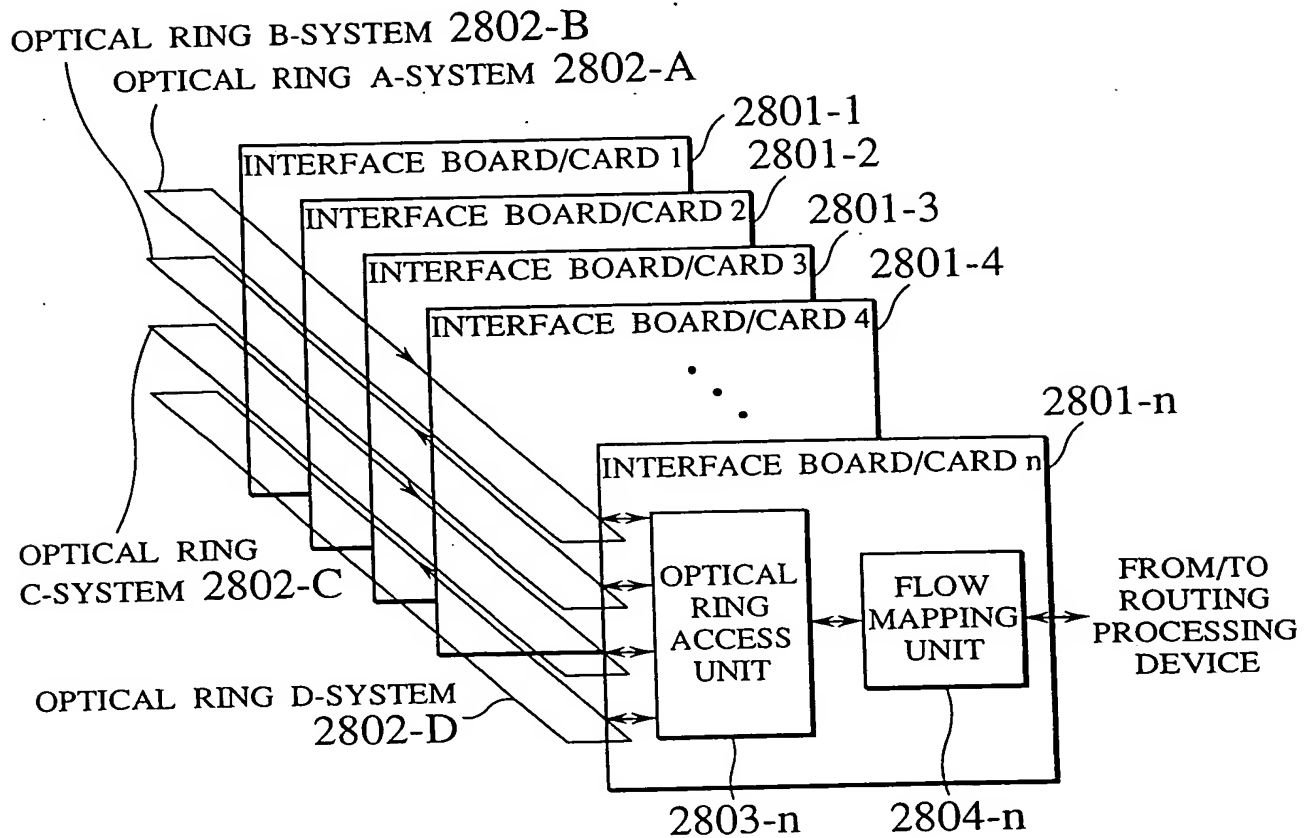
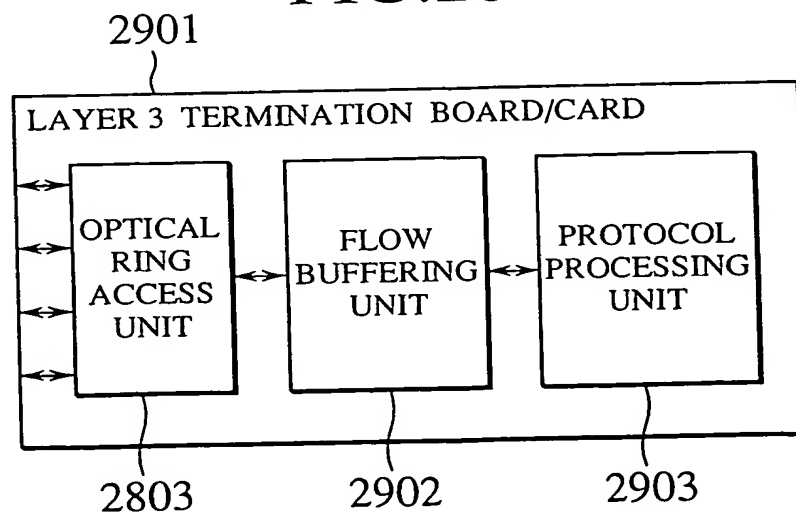


FIG.28



20/46

FIG.29

MESSAGE RELAY DEVICE 101

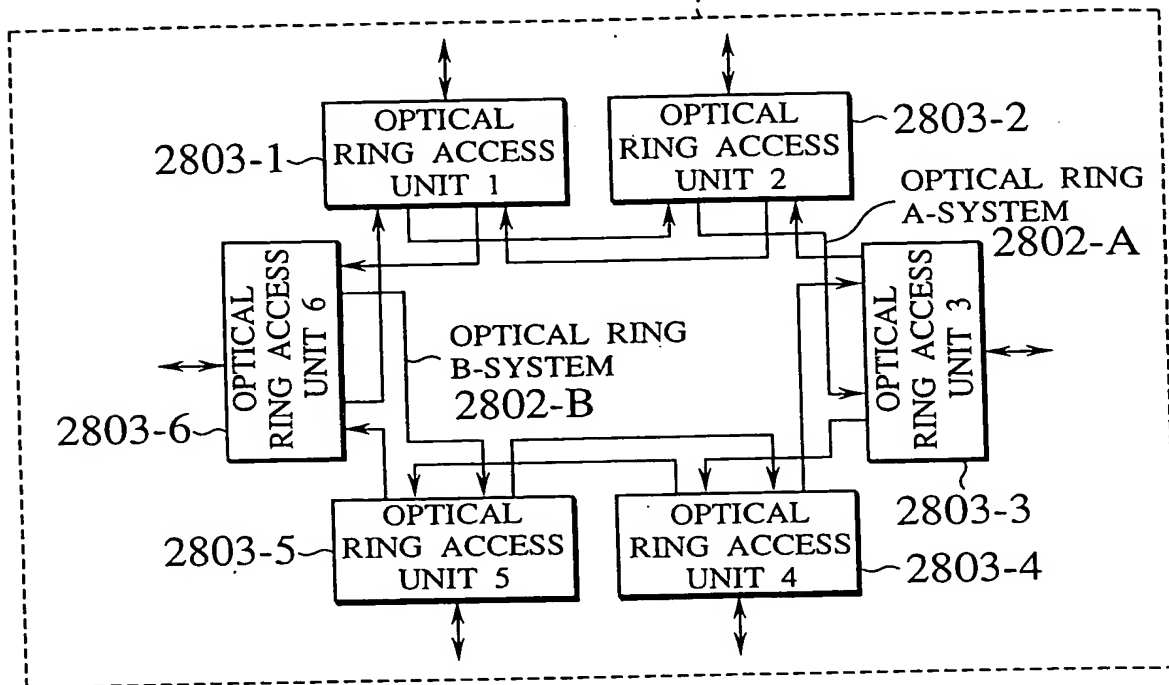
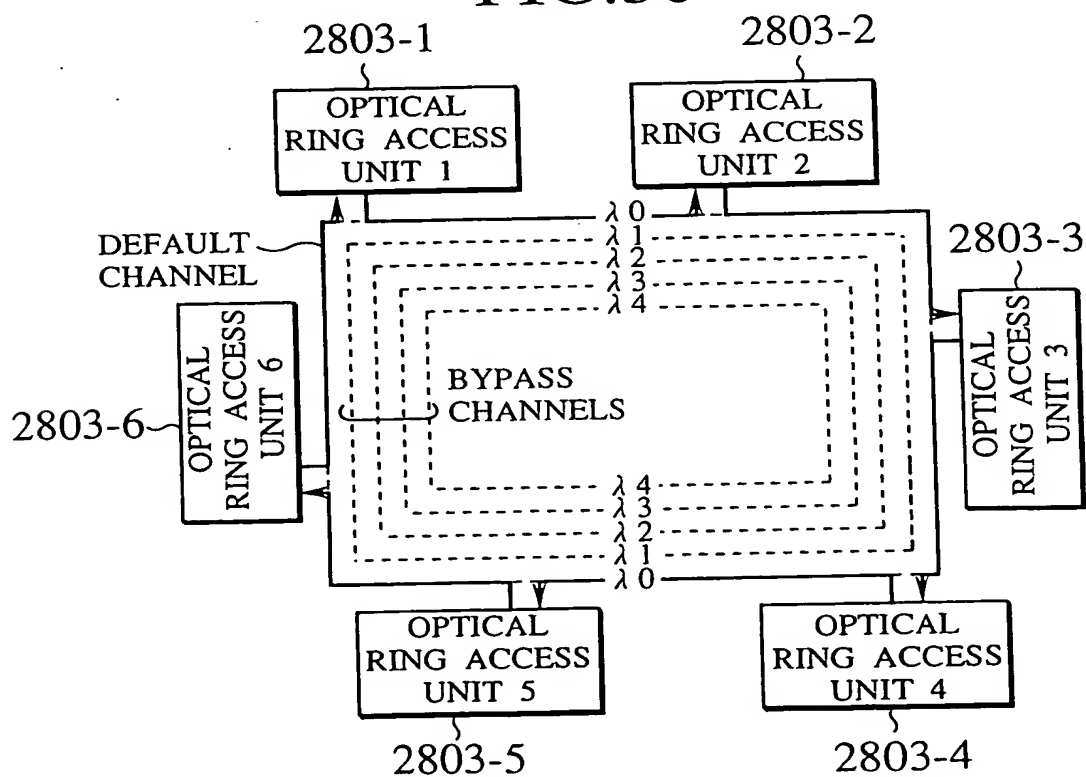


FIG.30



21/46

FIG.31

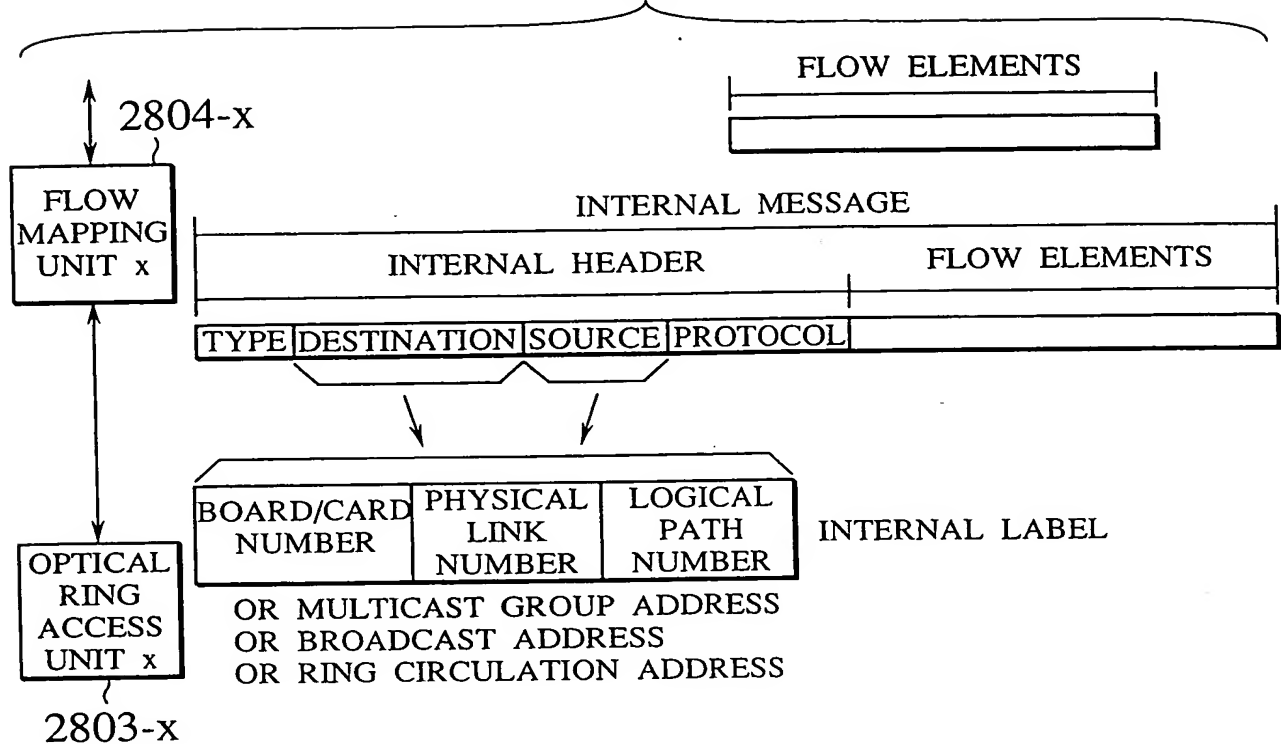
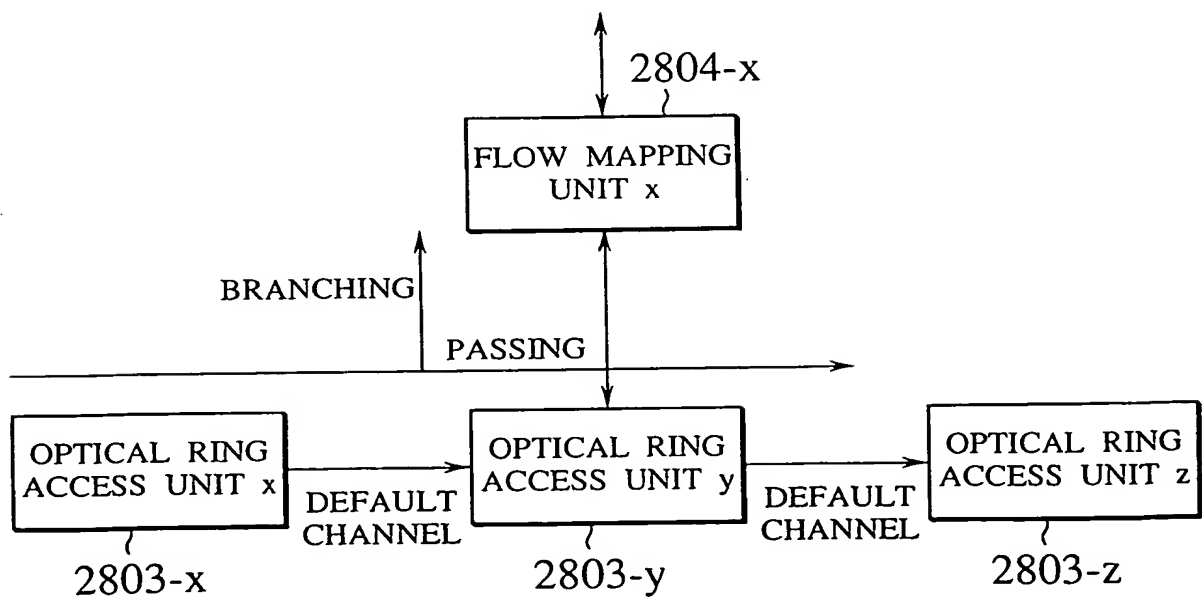
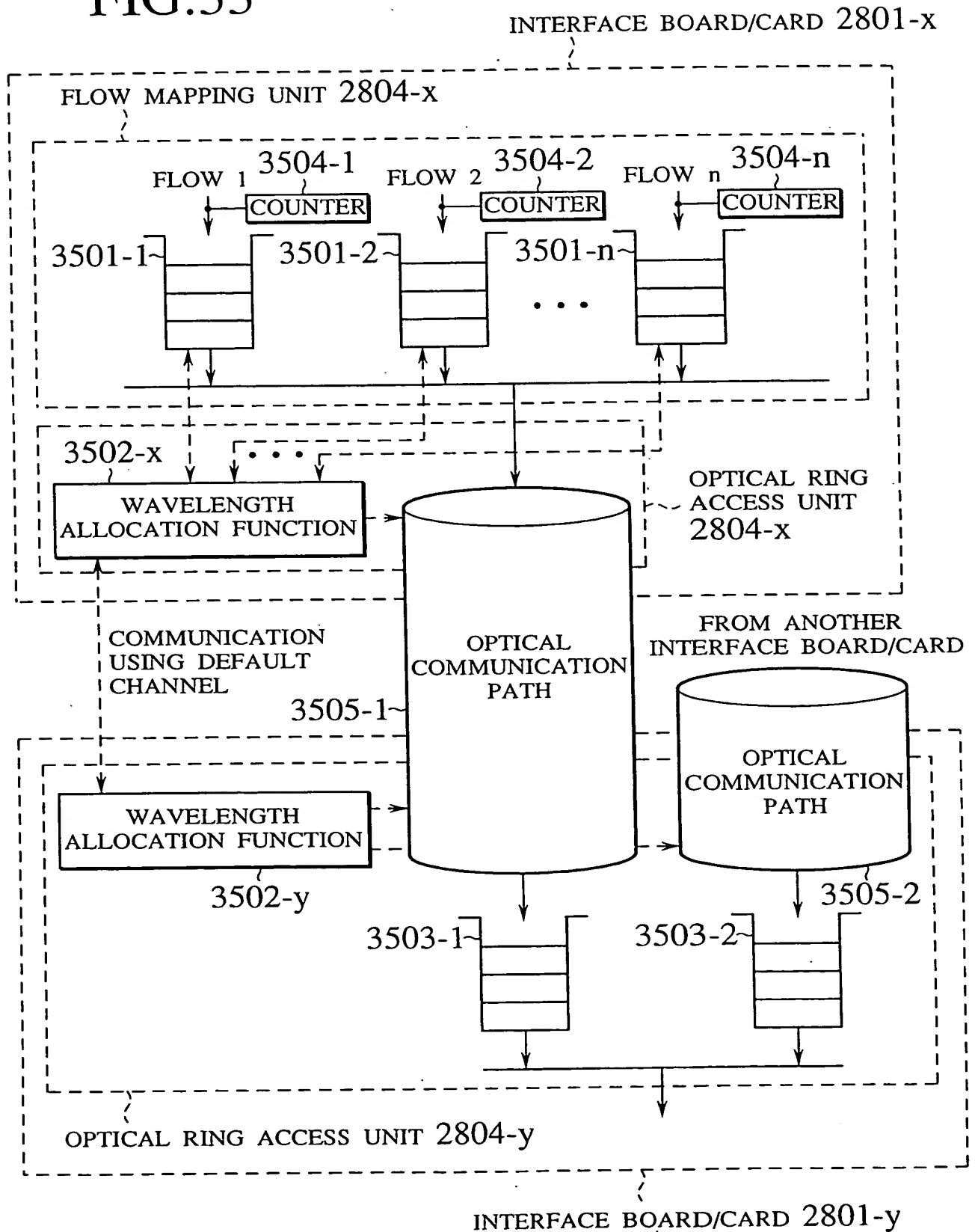


FIG.32



22/46

FIG.33



23/46

FIG.34A

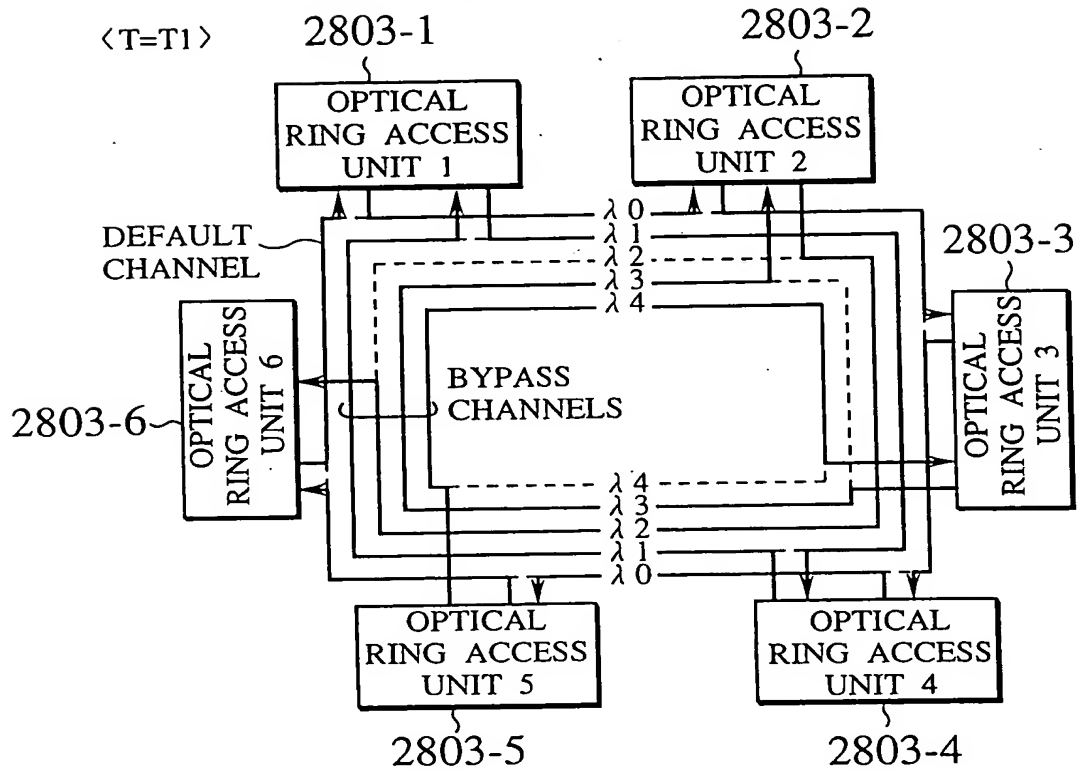


FIG.34B

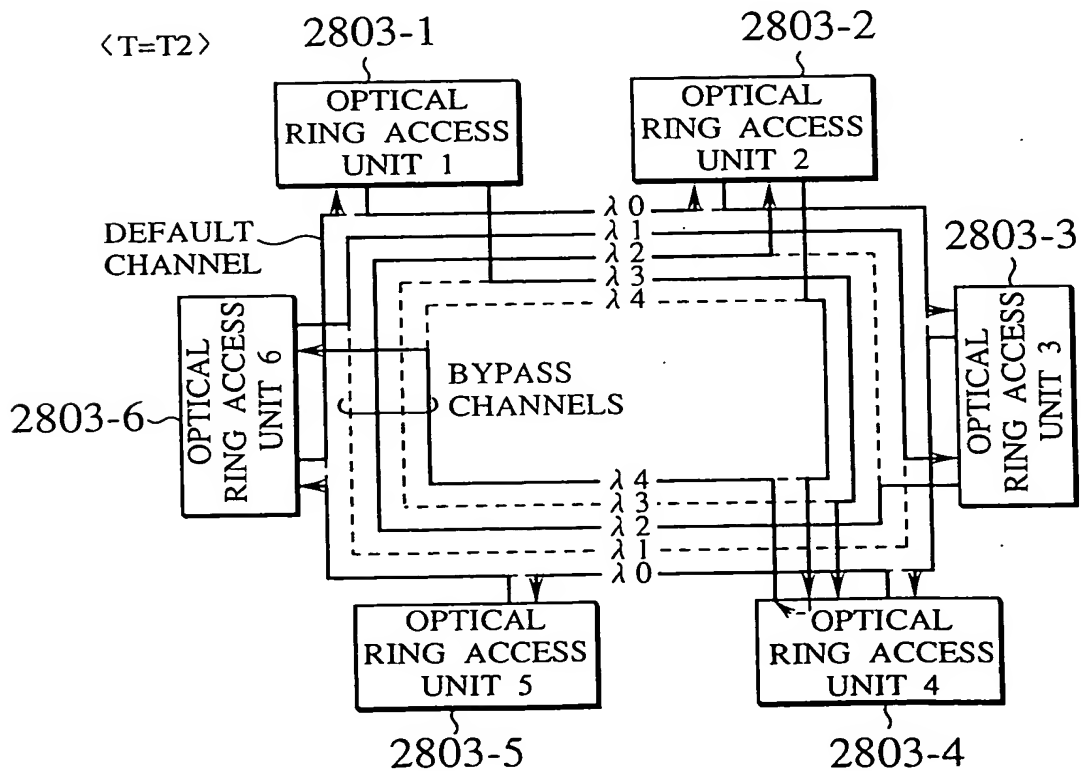
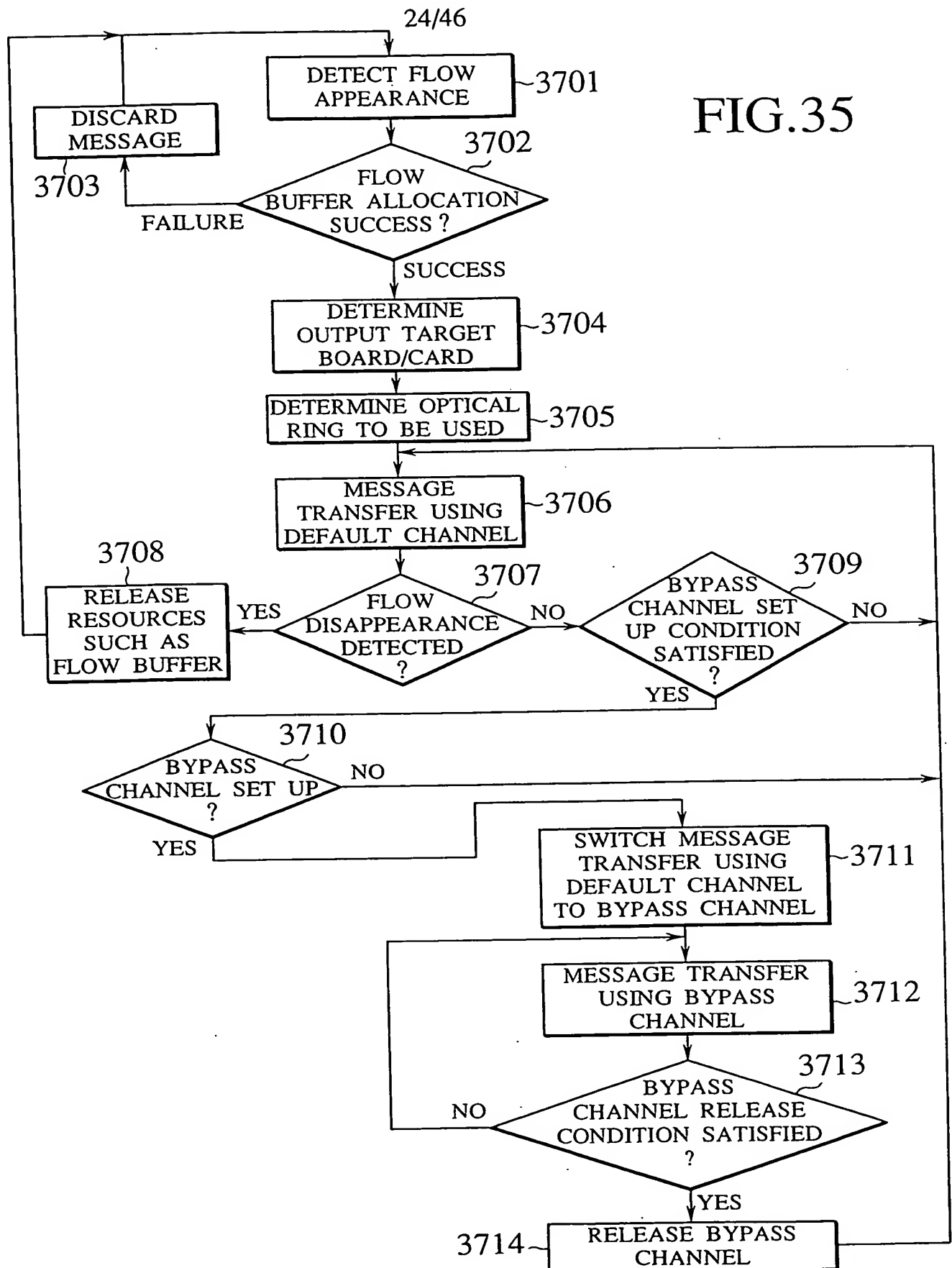


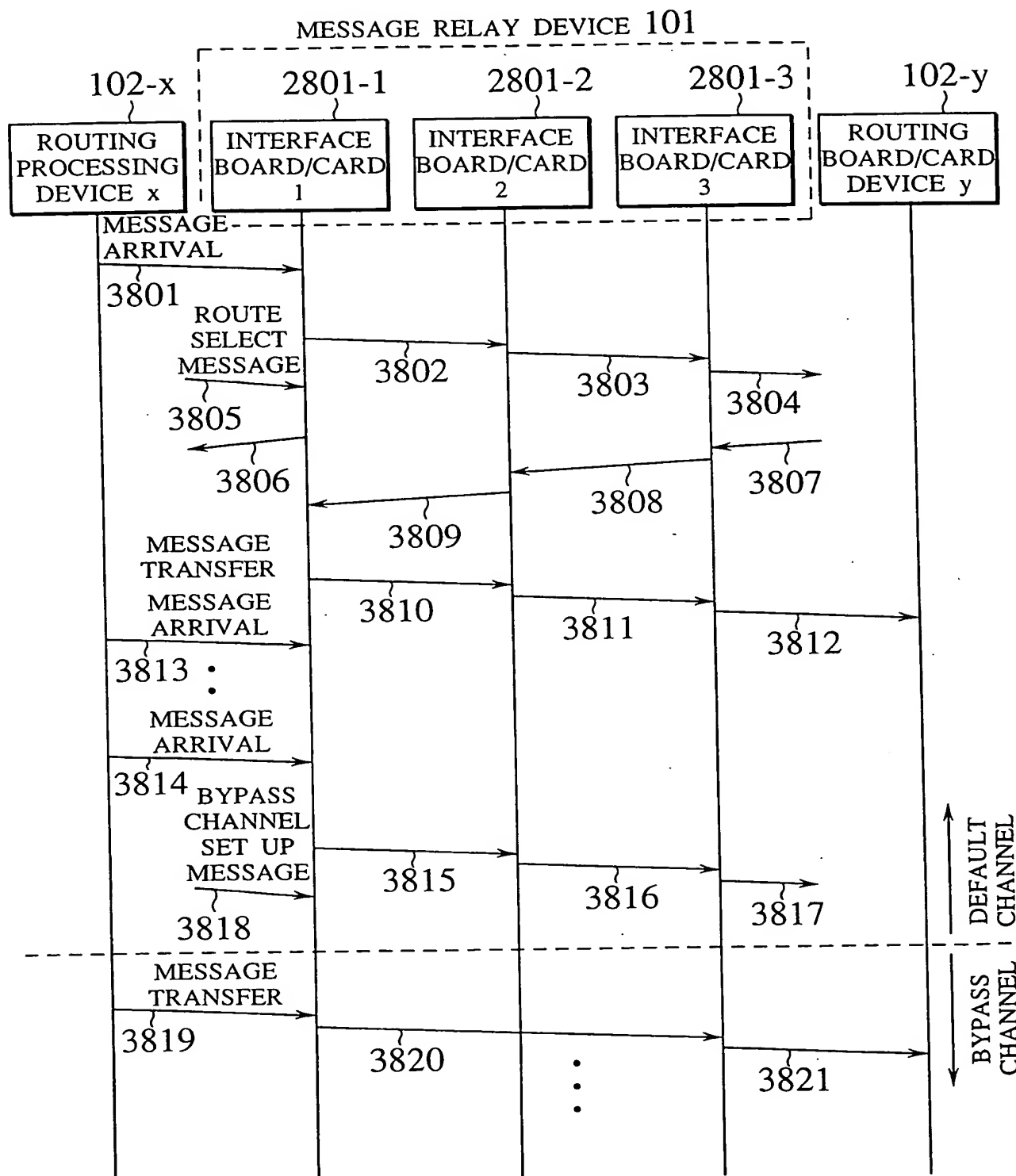
FIG.35





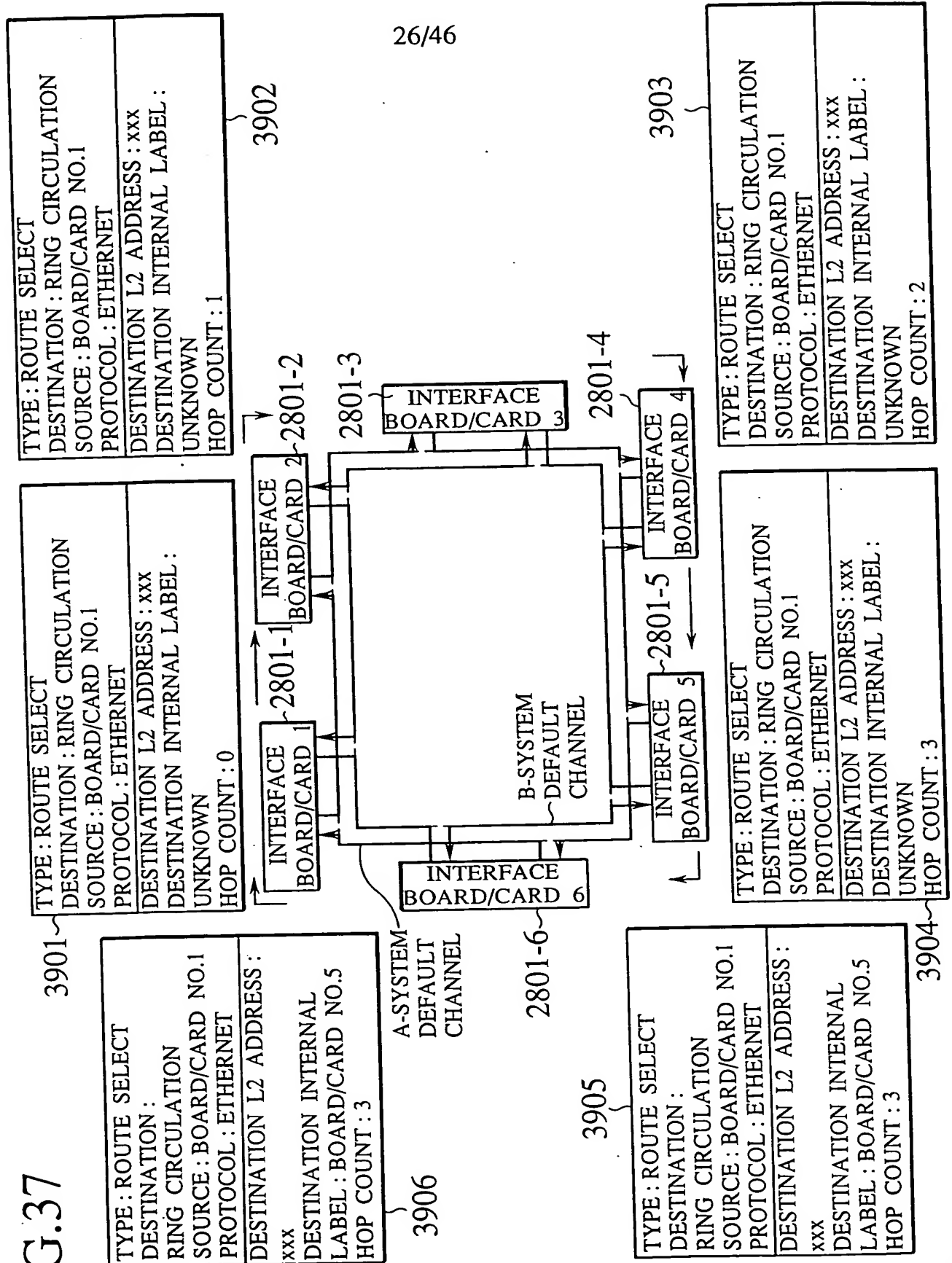
25/46

FIG.36



26/46

FIG. 37



27/46

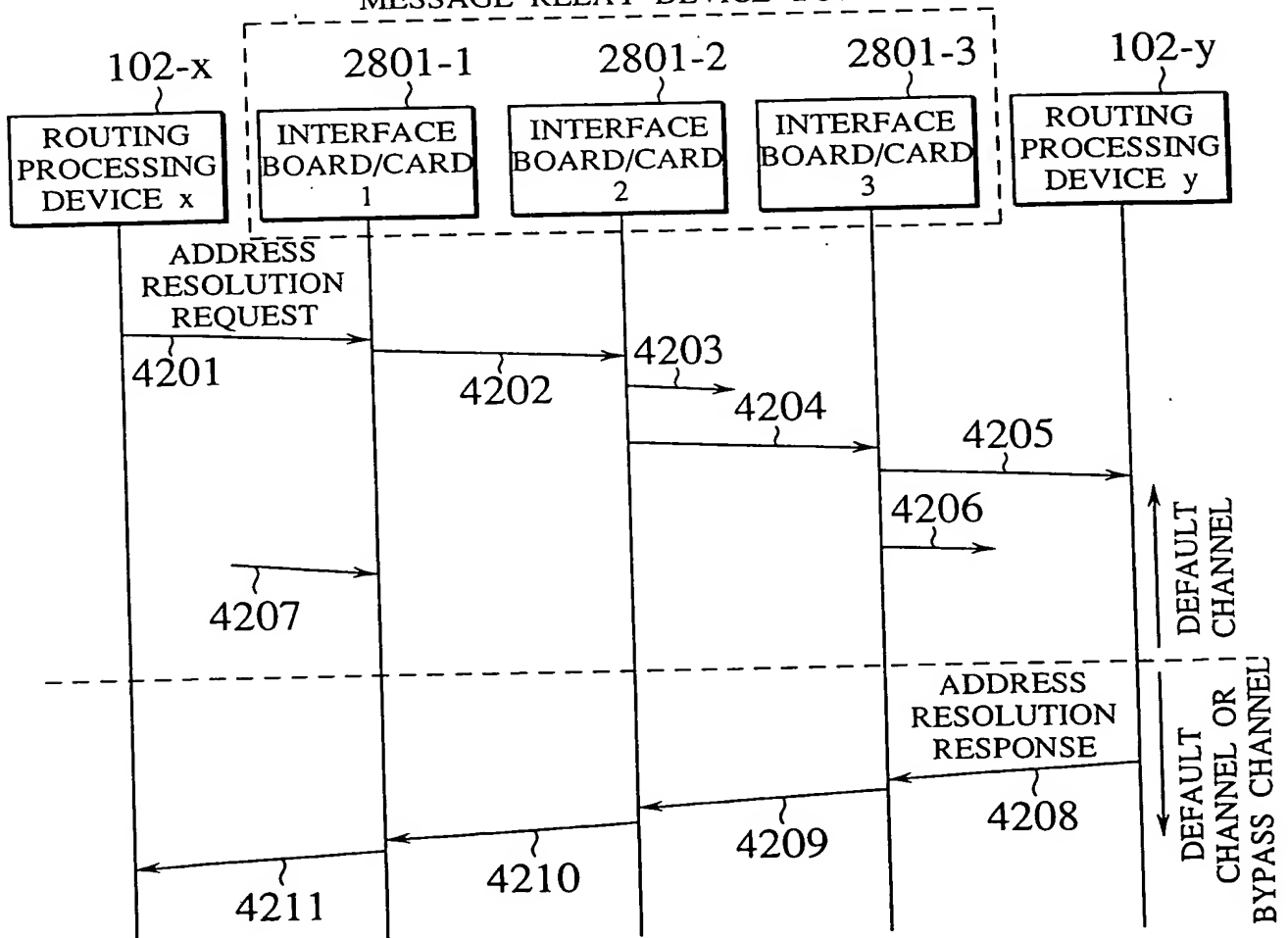
# FIG.38

INTERNAL ROUTE INFORMATION HOLDING TABLE 4101

INTERNAL LABEL			
	CLOCKWISE	A-SYSTEM	BYPASS CHANNEL
	NOT SEARCHED	-----	-----
	PRIMARY ROUTE	SELECTED ROUTE	SELECTED CHANNEL

# FIG.39

MESSAGE RELAY DEVICE 101



28/46

# FIG.40

WAVELENGTH ALLOCATION TABLE

$\lambda 0$	DEFAULT CHANNEL	
$\lambda 1$	BOARD/CARD 1	BOARD/CARD 4
$\lambda 2$	BOARD/CARD 3	BOARD/CARD 2
⋮		
$\lambda 1$	UNUSED	-----
⋮		
$\lambda n$	BOARD/CARD 2	BOARD/CARD 3

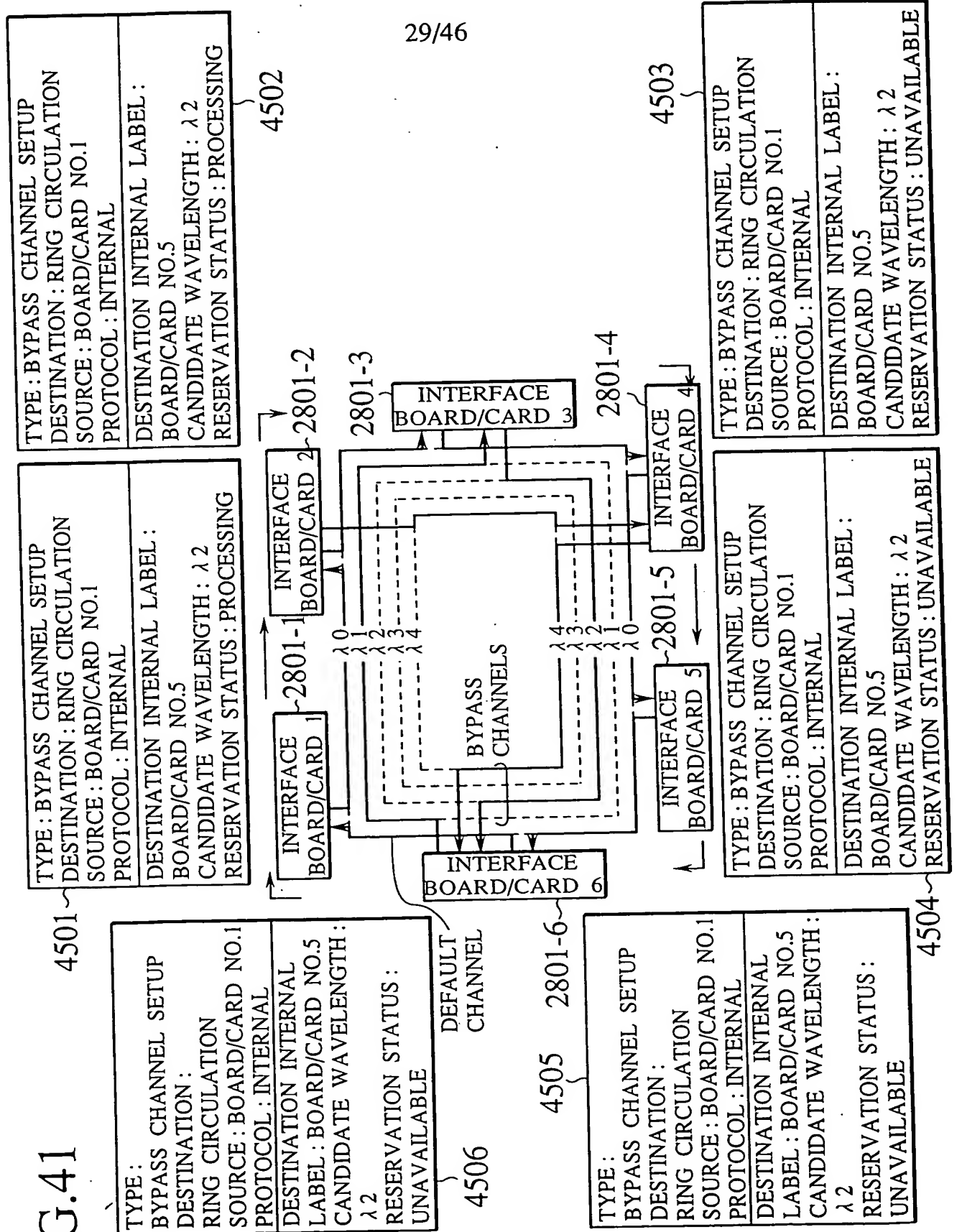
WAVELENGTH

TRANSMITTING  
END

RECEIVING  
END

29/46

FIG.41



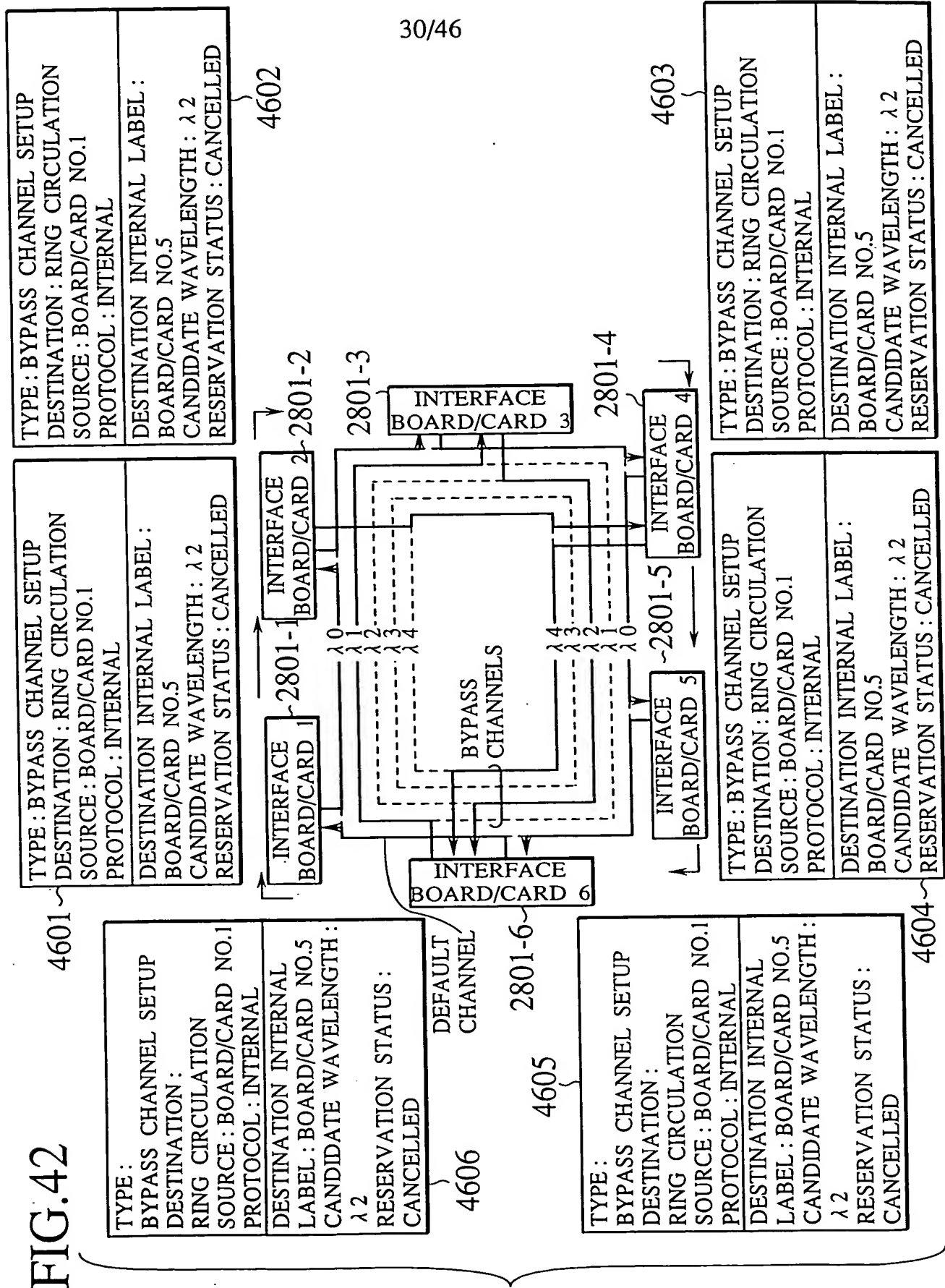
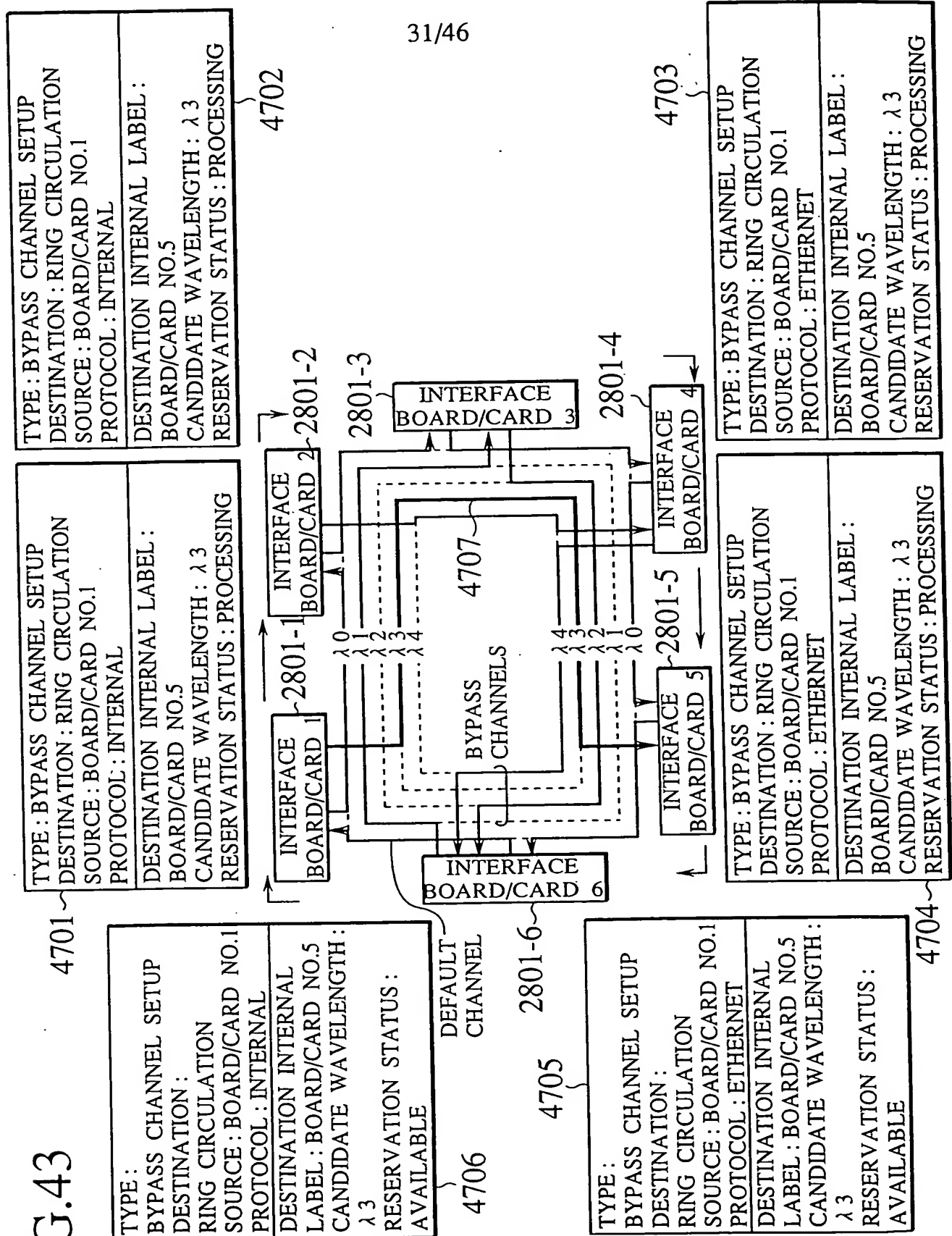
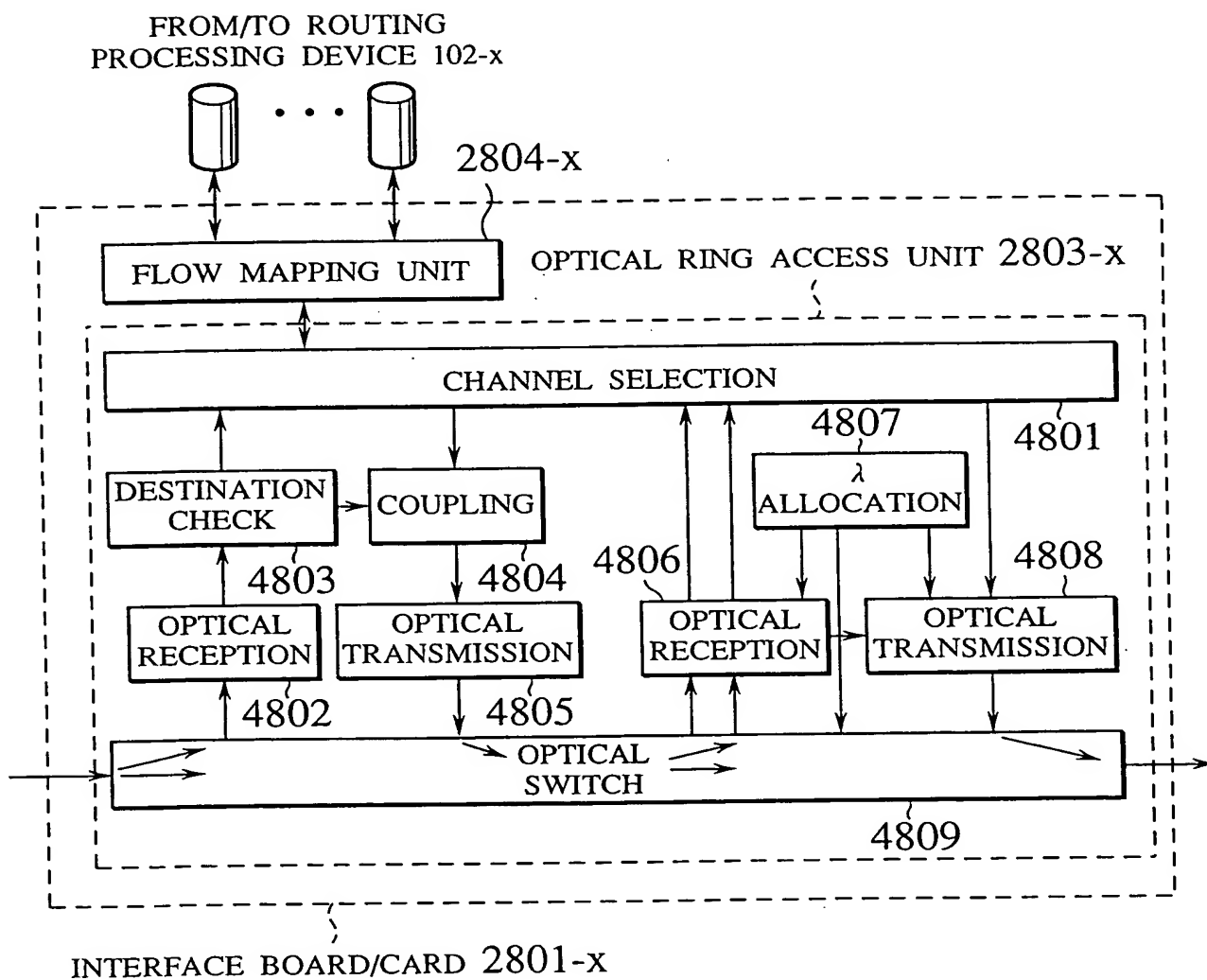


FIG.43



32/46

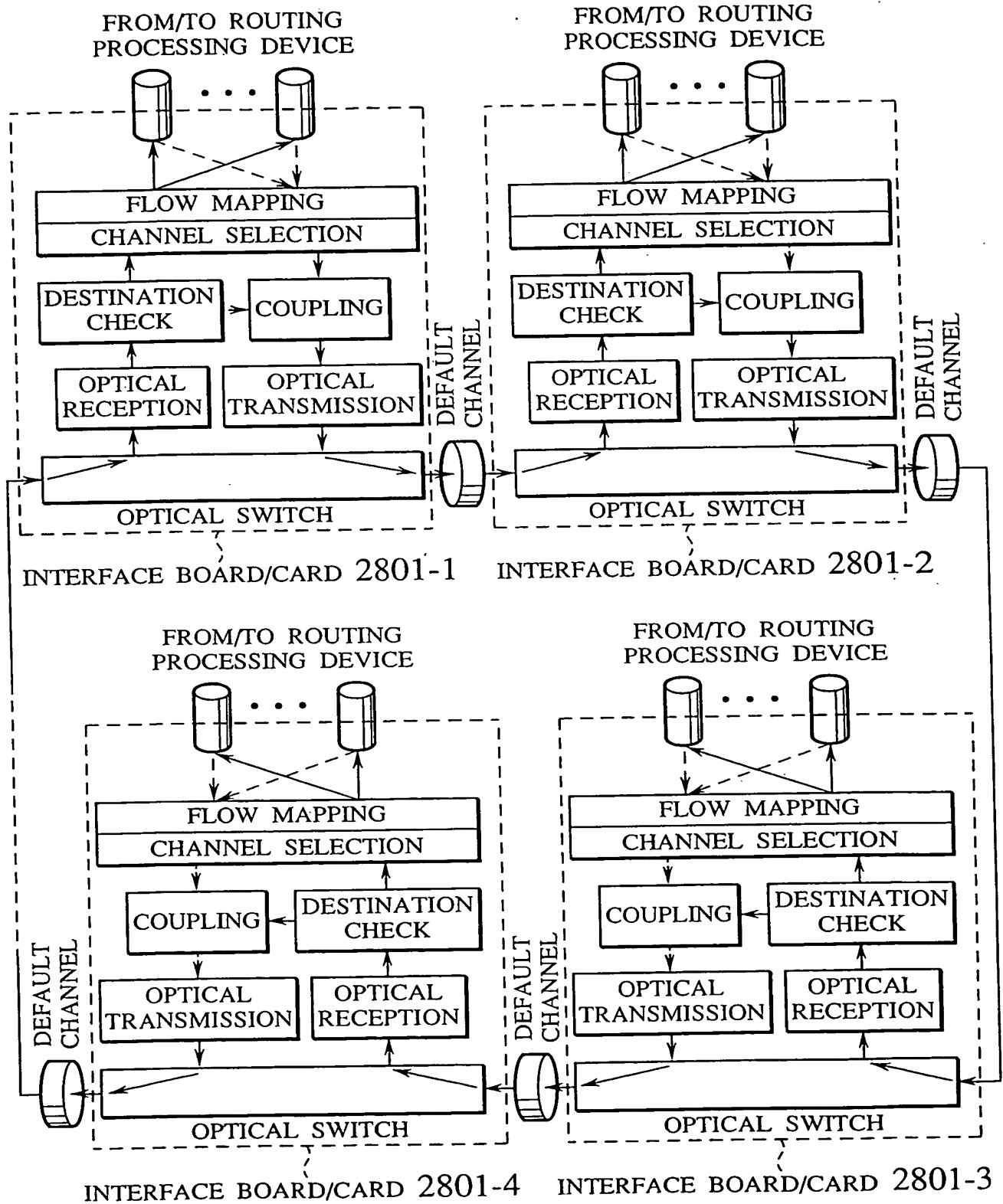
FIG.44





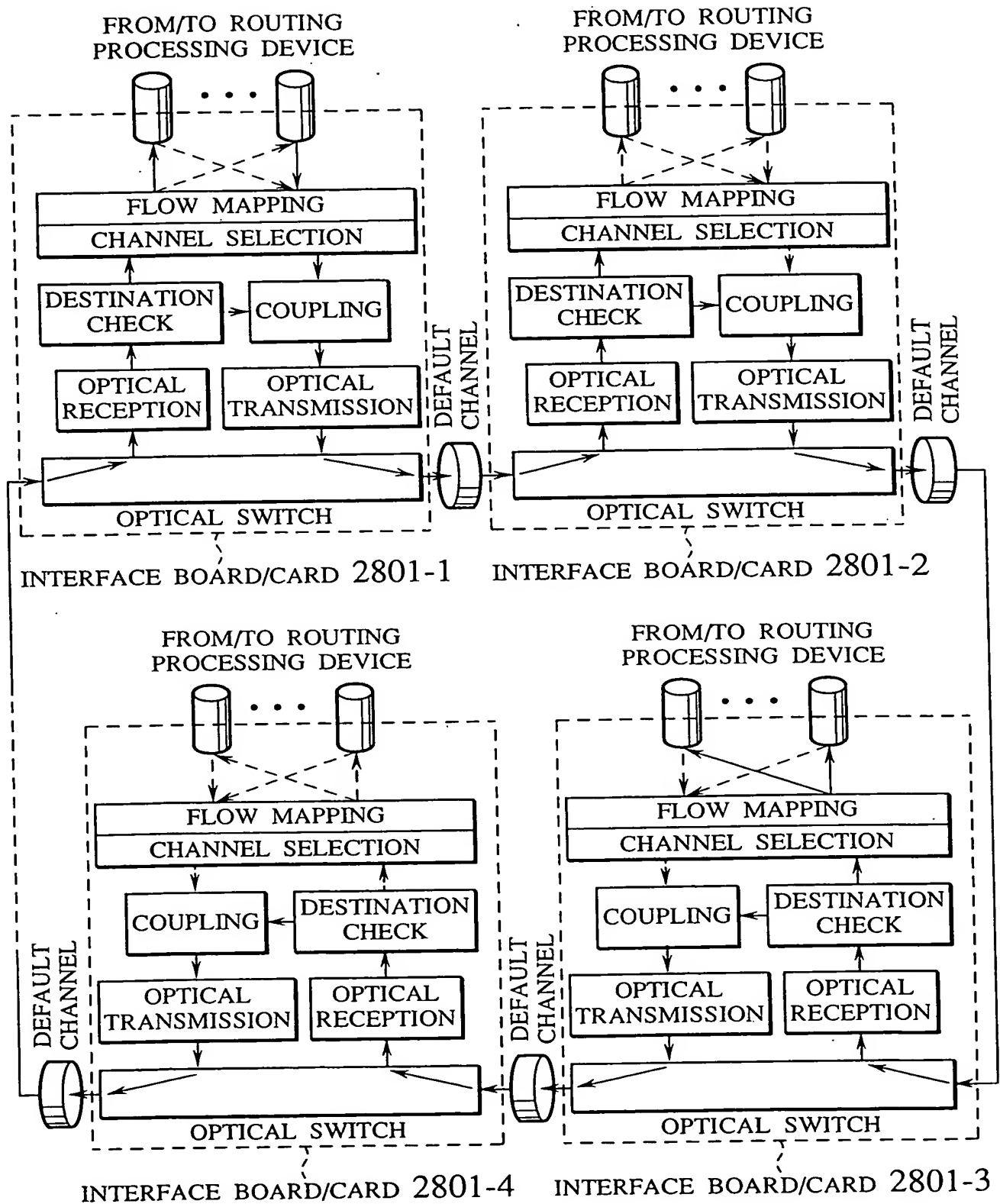
33/46

FIG.45



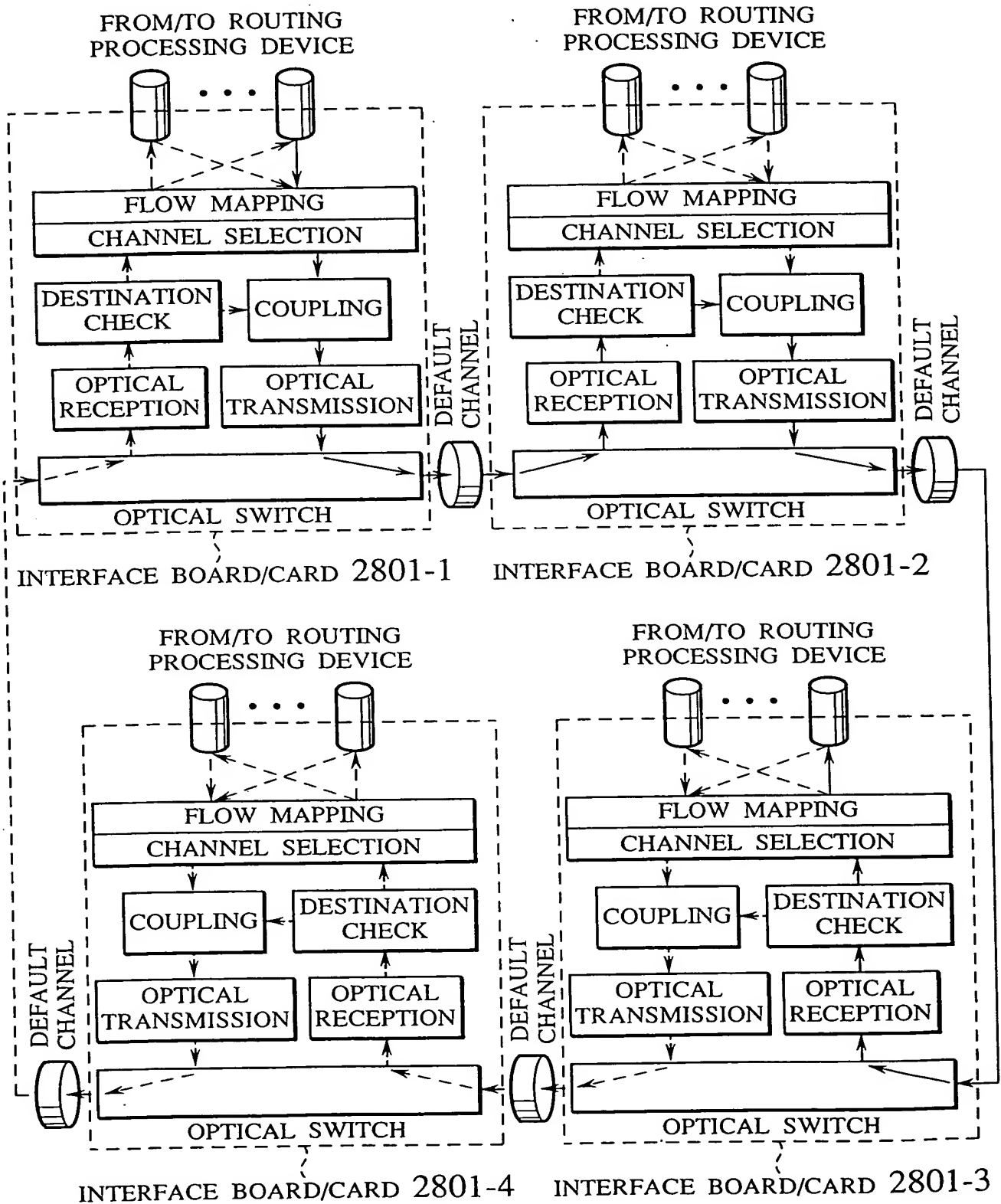
34/46

FIG.46



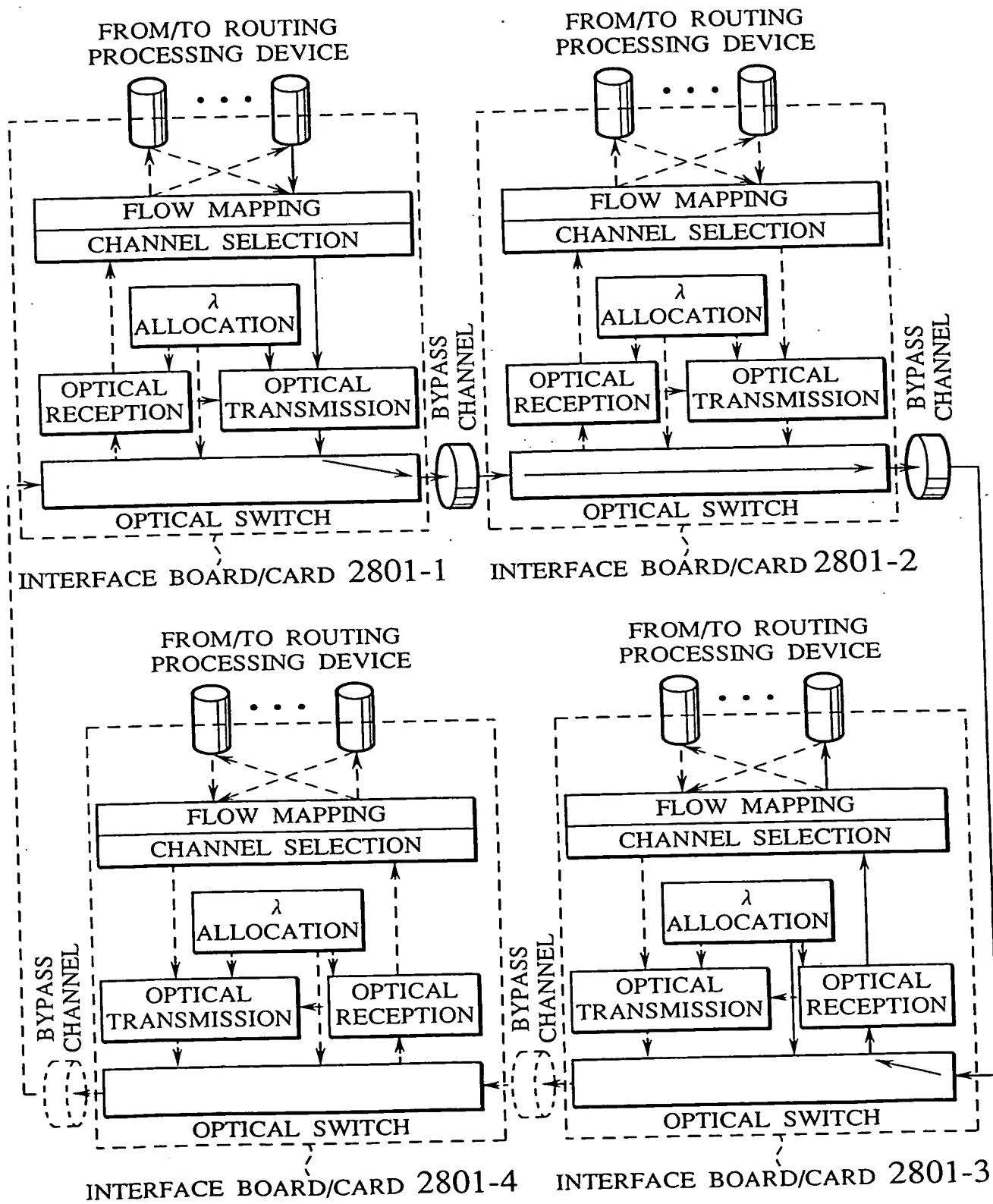
35/46

FIG.47



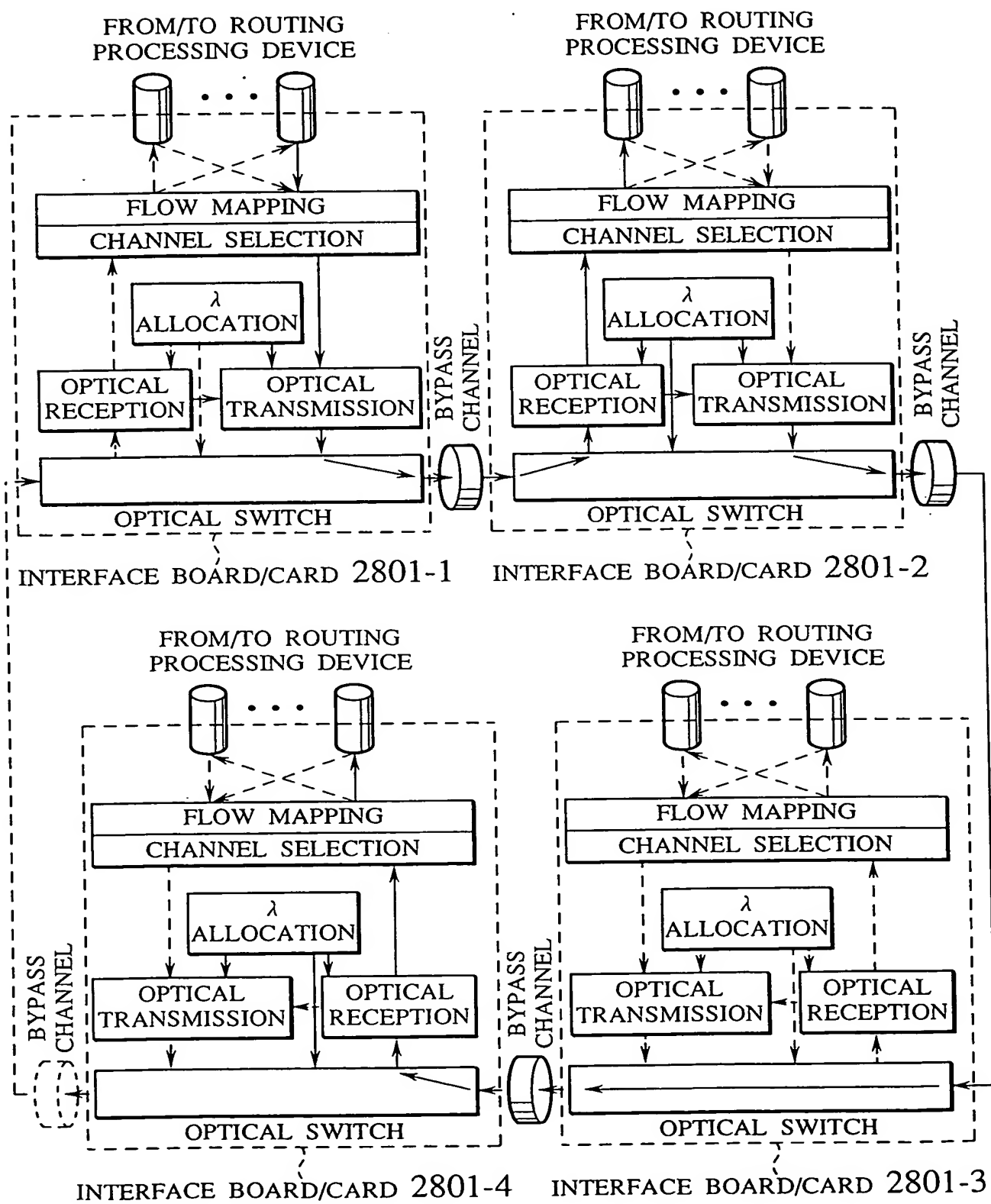
36/46

FIG.48

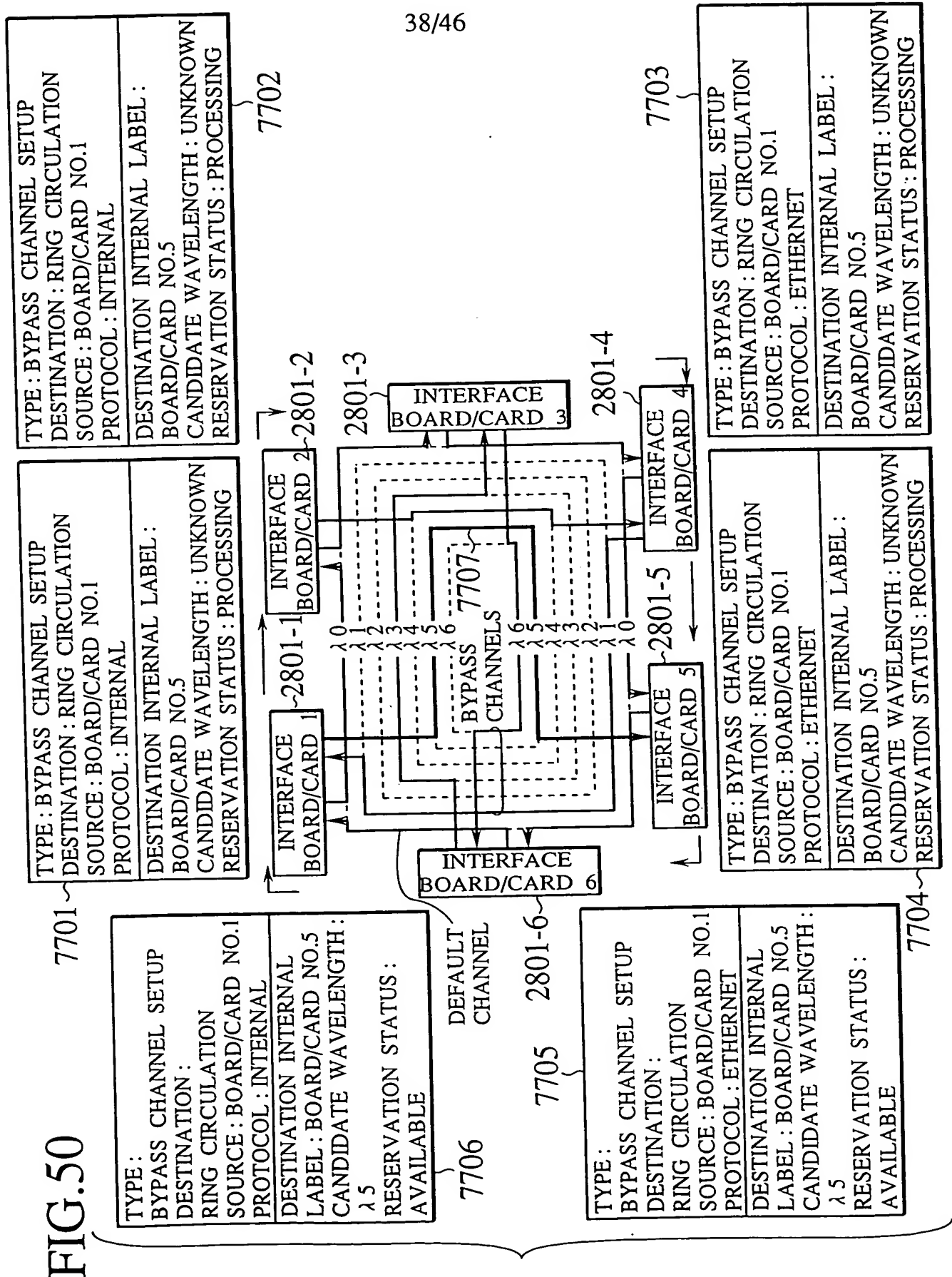


37/46

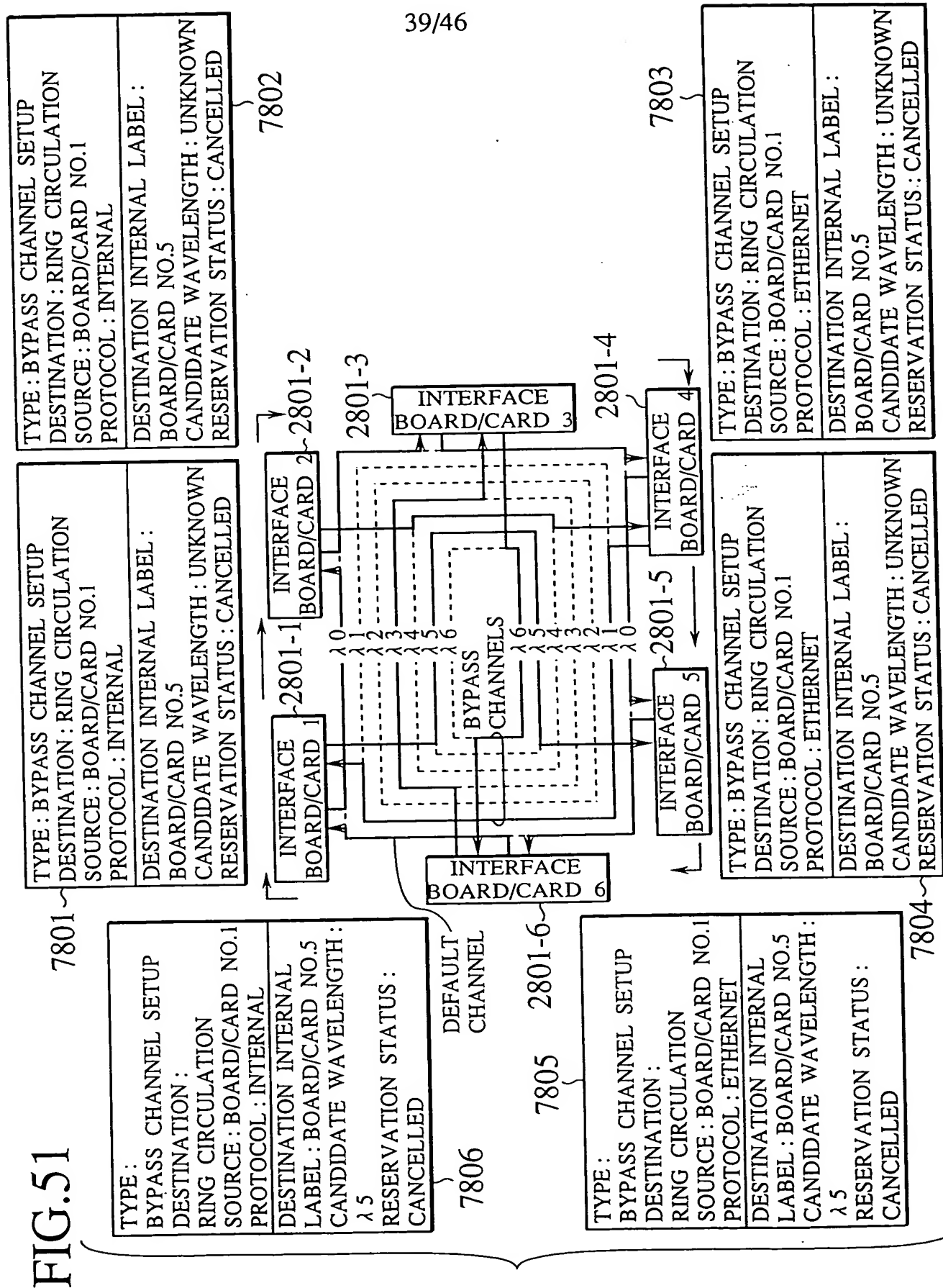
FIG.49



38/46



39/46



40/46

FIG.52

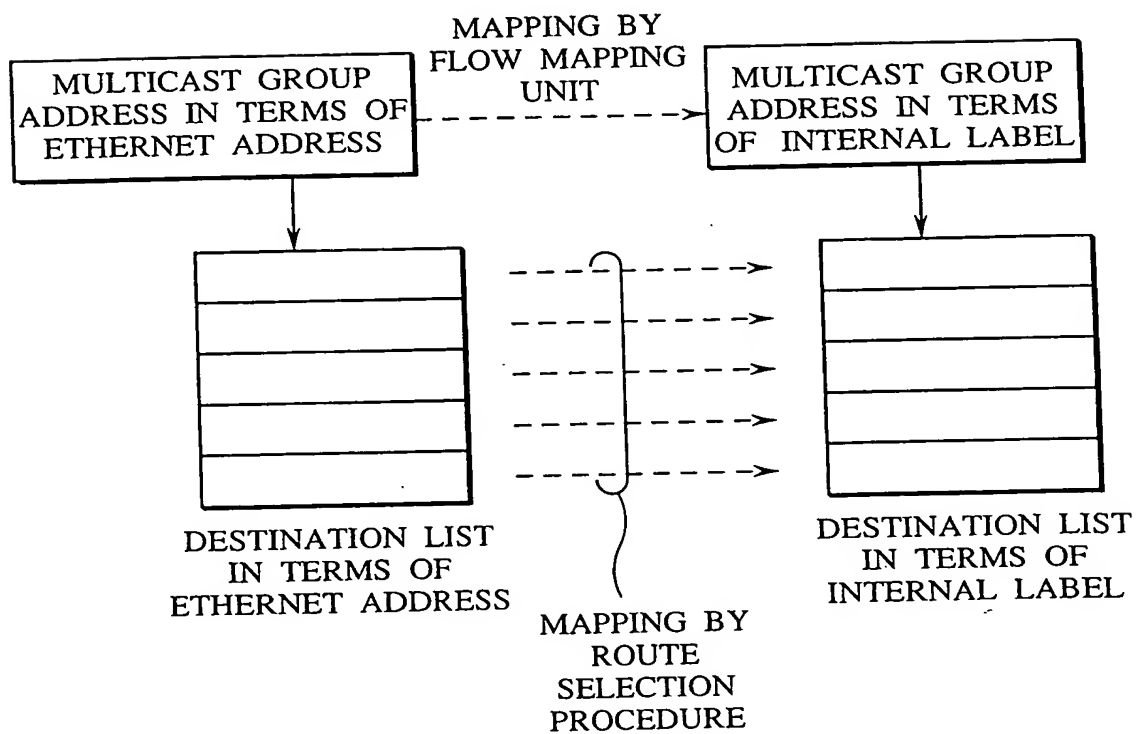
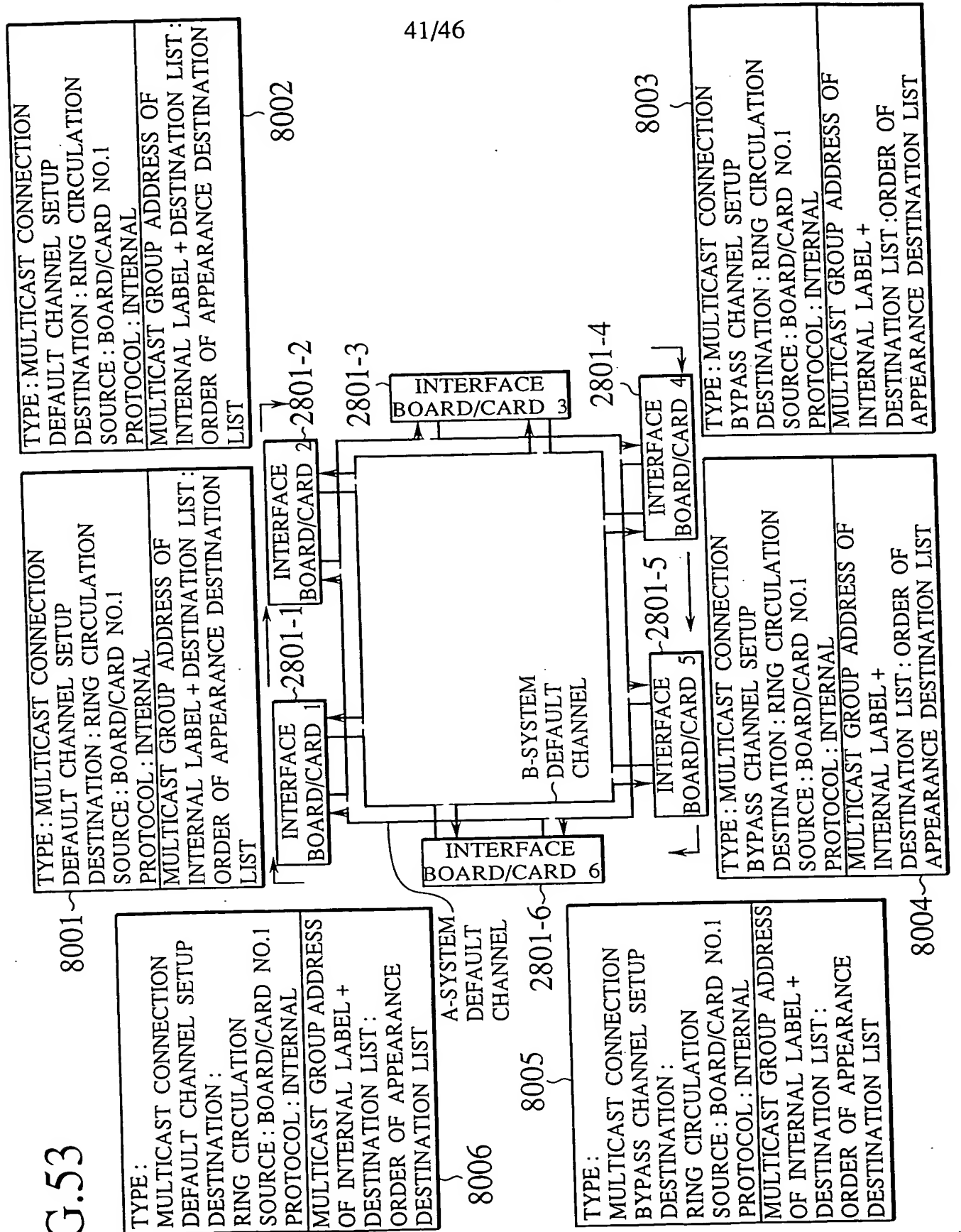




FIG. 53



42/46

FIG.54

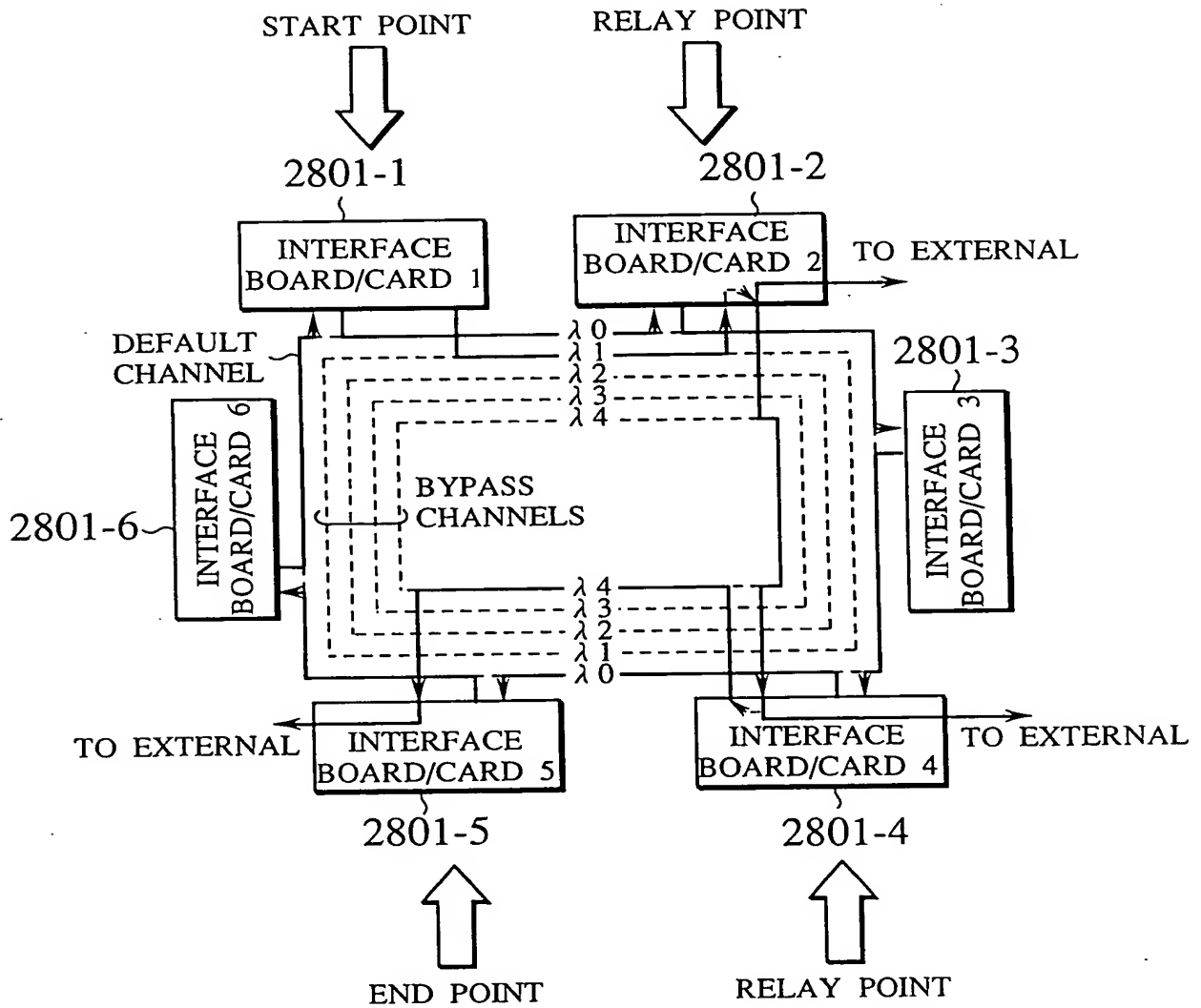
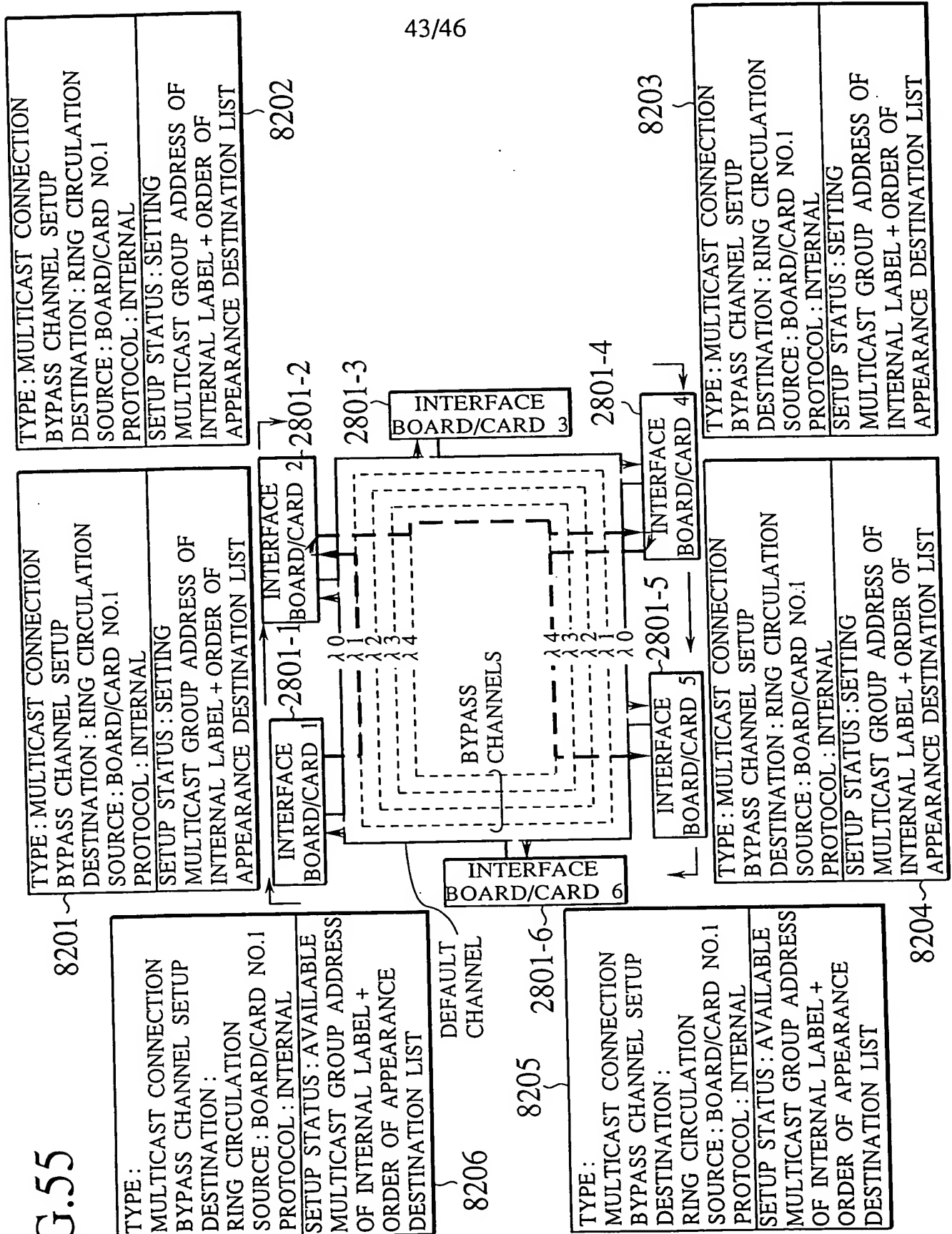
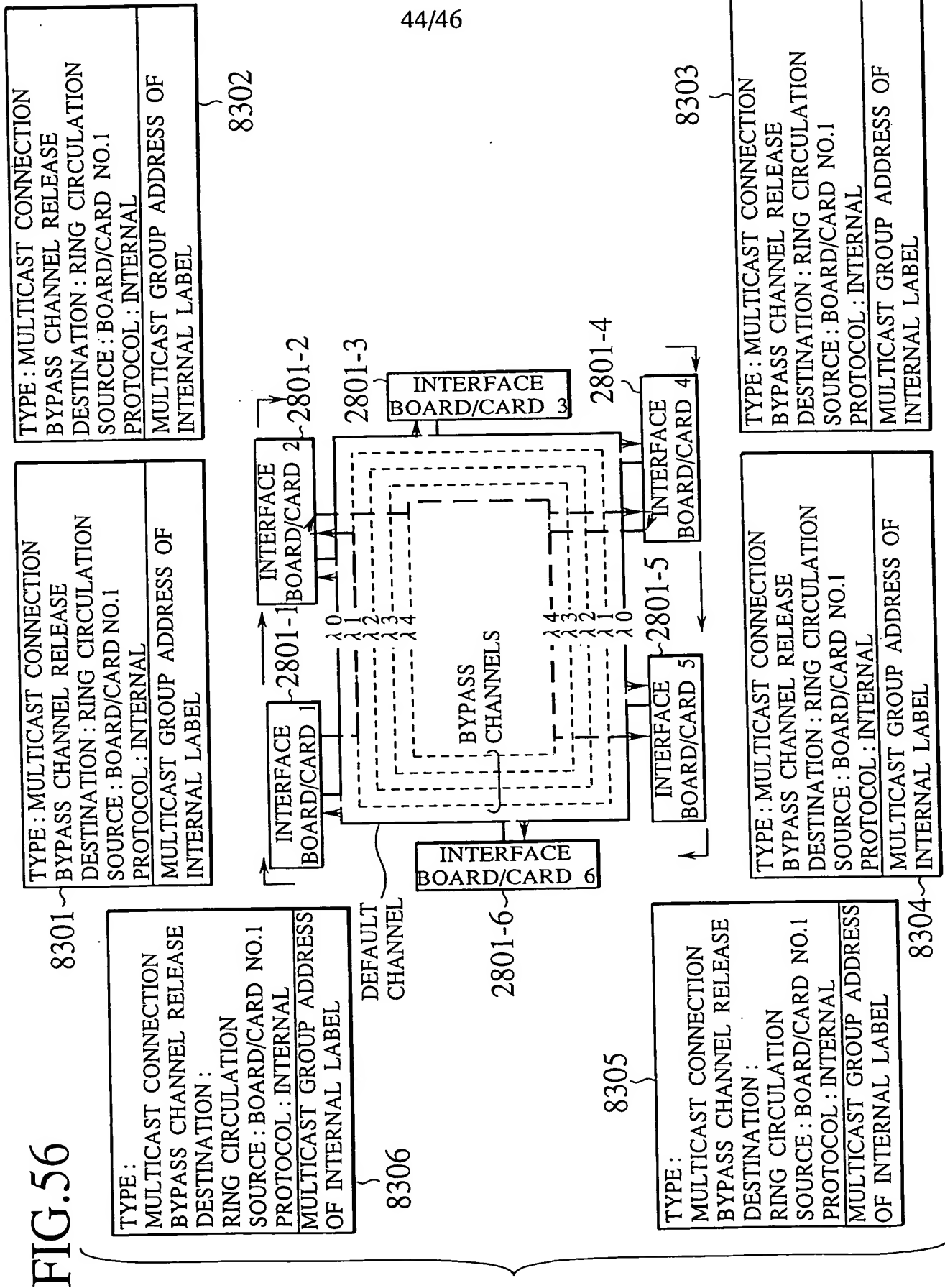


FIG. 55

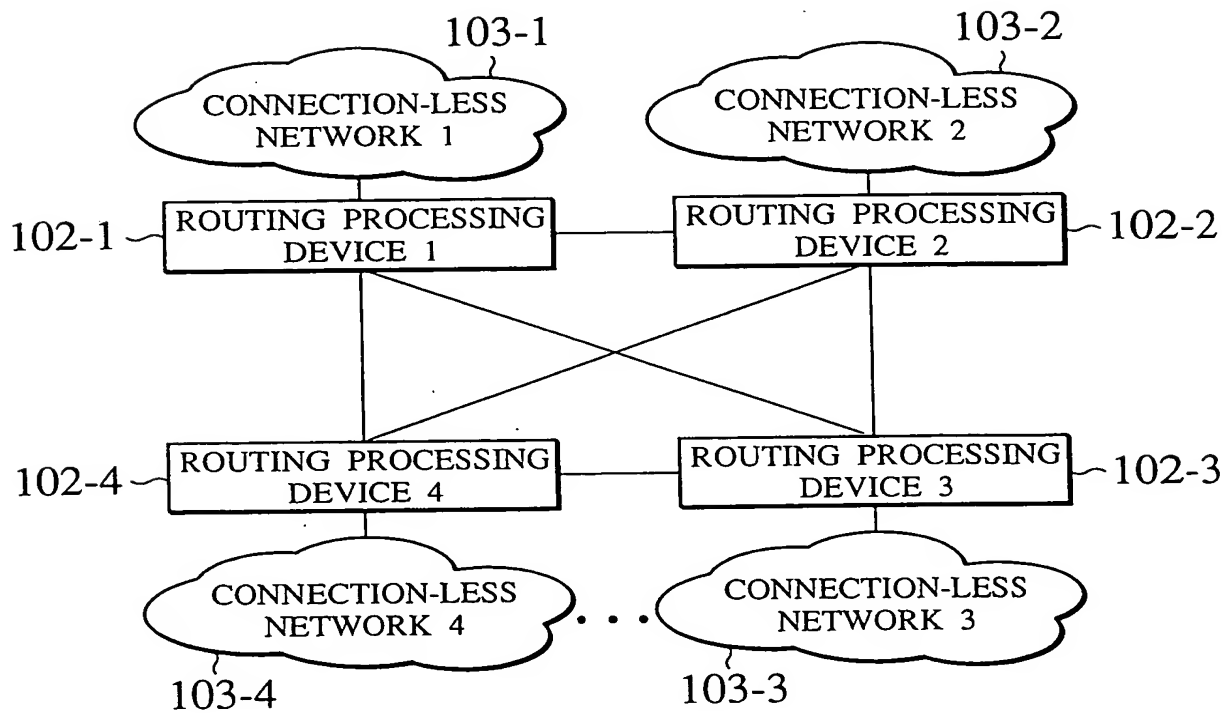


44/46



45/46

FIG.57  
PRIOR ART



46/46

FIG.58

